CONSTRUCTION NEWS

Supplement to ENGINEERING NEWS. New York, September 13, 1906.

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CONSTRUCTION NEWS.

PLANS AND SPECIFICATIONS ON FILE.

The following Plans (P.), Specifications (S.), and Bidding Sheets (B. S.) may be seen at the office of The Engineering News Publishing Co., 220 Broadway, New York:

Bids close.	Work.	Place.	On file.	See issue.
Sept.				
*15	Irrigation ditches	Hazen, Nev.	P., S. & B. S.	8- 2
*17	Subway and tunnel	Minneapolis, Minn.	P., S. & B. S.	9- 6
*17	Dam	Hermiston, Ore.	P., S. & B. S.	6-26
*11	Canals, etc.	Williston, N. Dak.	P., S. & B. S.	7-19
15	Hotel bldg.	Manila, P. I.	S.	8-29
*18	Portland cement.	Portland, Ore.	S.	7-26
*22	Dredging.	Mobile, Ala.	S.	8-23
*22	Elec. subway system.	West Point, N. Y.	P., S. & B. S.	8-23
*24	Boiler.	Wilmington, Del.	P., S. & B. S.	8-30
*27	Rock removal.	New London, Ct.	S.	8-30
29	Dredging.	Boston, Mass.	S.	9-13
Oct.				
*1	Ditches.	Portland, Ore.	P., S. & B. S.	8- 9
*1	Lock.	Donaldsonville, La.	P. & S.	7- 5
*1	Sewers.	Plainfield, N. J.	P. & S.	9-13
*15	Steel wharf sheds, railways.	Manila, P. I.	P. & S.	7-19

*Work advertised in Engineering News.

NOTE.—We are desirous of securing specifications and bidding sheets (and plans when not too bulky) of pending work for file in our New York office for the benefit of contractors or others who may be interested in the work. If more sets than one are sent us we shall be pleased to distribute these to contractors who ask for them. When the work is advertised in Engineering News a note that the plans are filed with us will be added to the advertisement without cost.

LIST OF CONTRACTS PENDING.

LIGHT, HEAT AND POWER PLANTS.

Bids close.	Work.	Place.	On file.	See issue.
Sept. 17.	Power plant, Paw Paw, Mich		Sept.	6
Sept. 17.	Equipment, Port Washington, Wis		Sept.	13
Sept. 18.	Lighting, Pottsville, Pa		Sept.	13
Sept. 18.	Lighting, Pottsville, Pa		July	12
Sept. 18.	Electric light plant, Clinton, Mo		Aug.	30
Sept. 19.	Electric light plant, Manassas, Va		Sept.	6
Sept. 20.	Lighting, Anniston, Ala		Aug.	23
Sept. 22.	Underground transmission line, Albany. Advertised, Eng. News, Aug. 30 to Sept. 20.		Aug.	30
Sept. 24.	Lighting system, Sacket Harbor, N. Y. Advertised, Eng. News, Sept. 6 and 13.		Sept.	6
Sept. 30.	Electric light plant, Malvern, Ark		Aug.	23
Oct. 1.	Light plant, Mobile, Ala		Aug.	30
Oct. 10.	Light plant, Manassas, Va. Advertised, Eng. News, Sept. 13 and 20.		Sept.	13
Oct. 11.	Equipment, Washington, D. C		Sept.	6

BRIDGES.

Sept. 13.	Bridges, Brownstown, Ind	Aug.	30
Sept. 14.	Bridge, Milwaukee, Wis	Aug.	23
Sept. 15.	Bridge, Washington, D. C. Advertised, Eng. News, Aug. 30 and Sept. 6.	Aug.	30
Sept. 15.	Bridges, Spokane, Wash	Aug.	30
Sept. 15.	Bridge, etc., Centreville, Ont	Sept.	6
Sept. 17.	Bridges, Indianapolis, Ind	Sept.	6
Sept. 17.	Bridges, Chillicothe, Ohio	Aug.	30
Sept. 18.	Bridge, Woodbury, Ga	Aug.	30
Sept. 20.	Bridge, Perry, Ohio	Aug.	30
Sept. 22.	Arch, Euclid, Ohio	Sept.	6
Sept. 21.	Concrete bridge, Reading, Pa. Advertised, Eng. News, Sept. 13.	Sept.	13
Sept. 24.	Steel bridge, Everett, Wash	Sept.	13
Sept. 24.	Steel bridge, Washington, D. C	Sept.	13
Sept. 25.	Bridge, Greensboro, Md. Advertised, Eng. News, Sept. 6 and 13.	Sept.	6
Sept. 25.	Bridge, Newark, Ohio	Sept.	6
Oct. 2.	Bridge, Rome, Ga	Sept.	6
Oct. 2.	Scherzer lift bridge, Peoria, Ill	Sept.	13
Oct. 3.	Approach, Elk City, Ore	Sept.	6
Oct. 3.	Bridges, etc., Bradford, R. I. Advertised, Eng. News, Aug. 23 and 30.	Aug.	23
Oct. 8.	Bridge, Daggett, Cal	Aug.	23
Oct. 25.	Bridge, Atlanta, Ga	Sept.	13

BUILDINGS.

Sept. 15.	Hotel, Manila, P. I	Mar.	29
Sept. 17.	Painting and decorating, St. Paul, Minn. Advertised, Eng. News, Aug. 16 and 23.	Aug.	16
Sept. 17.	School buildings, New York, N. Y.	Sept.	6
Sept. 18.	Painting, Aberdeen, S. Dak	Aug.	16
Sept. 18.	School building, Bloomington, Ind	Aug.	23
Sept. 18.	Refrigerating plant, New York, N. Y.	Sept.	13
Sept. 18.	State bldg., Sewells Point, Va.	Sept.	13
Sept. 20.	Fireproof doors, Washington, D. C. Advertised, Eng. News, Aug. 16 to Sept. 6.	Aug.	16
Sept. 20.	Repairs, Chicago, Ill.	Aug.	30
Sept. 22.	Elec. subway system, West Point, N. Y. Advertised, Eng. News, Aug. 23 to Sept. 13.	Aug.	23
Sept. 24.	Church, New Orleans, La.	Aug.	30
Sept. 24.	Barracks, Ft. Totten, N. Y. Advertised, Eng. News, Aug. 30 to Sept. 20.	Aug.	30
Sept. 24.	Electric fixtures, Vancouver Bar., Wash.	Sept.	6
Sept. 25.	Steel cells, Atlantic City, N. J. Advertised, Eng. News, Sept. 13 and 20.	Sept.	13
Sept. 25.	Pavilion, New York, N. Y.	Sept.	13
Sept. 26.	Machine shop, New York, N. Y.	Sept.	13
Oct. 2.	Officers' quarters, Sacket Harbor, N. Y. Advertised, Eng. News, Sept. 13 and 20.	Sept.	13
Oct. 2.	Post-office extension, Toledo, Ohio. Advertised, Eng. News, Sept. 13 and 20.	Sept.	13
Oct. 23.	Mess hall, Washington, D. C. Advertised, Eng. News, Sept. 13 to Oct. 18.	Sept.	13

WATER SUPPLY AND IRRIGATION.

Sept. 17.	Artesian well, Pierre, S. Dak	Aug.	30
Sept. 17.	Pump, Paw Paw, Mich	Sept.	6
Sept. 17.	Water-works, Moose Jaw, Sask	Sept.	13
Sept. 17.	Engine, boilers, etc., Wauseon, Ohio	Sept.	13
Sept. 18.	Water-works, Clinton, Mo	Aug.	30
Sept. 18.	Pump, Huntington, Ind	Aug.	30
Sept. 20.	Tunnel, etc., Chicago, Ill.	Sept.	13
Sept. 21.	Steel water tank, Carman, Man.	Sept.	13
Sept. 24.	Water-works, Roumania (Foreign)	Sept.	13
Sept. 26.	Water mains, New York, N. Y.	Sept.	13
Sept. 28.	Cast-iron pipe, Cincinnati, Ohio	Sept.	13
Sept. 28.	Filtration machines, California, Ohio	Aug.	23
Sept. 28.	Pumping plant, Garden City, Kans. Advertised, Eng. News, Aug. 2 to Sept. 6.	Aug.	2
Sept. 28.	Wells, etc., Garden City, Kan.	Sept.	6
Sept. 28.	Laying pipe, Cincinnati, Ohio.	Sept.	6
Oct. 1.	Irrigation canal, Wenatchee, Wash.	Sept.	13
Oct. 1.	Pump, Cohoes, N. Y. Advertised, Eng. News, Sept. 13 to 27.	Sept.	13
Oct. 2.	Gravity system, Edinburg, Va. Advertised, Eng. News, Sept. 13 and 20.	Sept.	13
Oct. 8.	Water-works, Lockport, N. Y.	Aug.	23

SEWERAGE.

Sept. 14.	Water-works & sewers, Moosomin, Sask.	Sept.	6
Sept. 14.	Sewer, Grand Rapids, Mich.	Sept.	13
Sept. 15.	Lateral sewers, Medford, Ore.	Sept.	13
Sept. 15.	Sewers, New Canaan, Conn. Advertised, Eng. News, Sept. 6.	Sept.	6
Sept. 17.	Sewers, Cleveland, Ohio	Sept.	6
Sept. 18.	Sewers, Rockford, Ill. Advertised, Eng. News, Sept. 13.	Sept.	13
Sept. 19.	Sewers, New York, N. Y.	Sept.	13
Sept. 19.	Sewers, New York, N. Y.	Sept.	13
Sept. 19.	Storm water drains, Baltimore, Md.	Sept.	13
Sept. 19.	Storm water drains, Baltimore, Md.	Sept.	6
Sept. 19.	Drains, Baltimore, Md. Advertised, Eng. News, Aug. 30 and Sept. 6.	Aug.	30
Sept. 20.	Sewers, Lake City, S. C. Advertised, Eng. News, Aug. 30 to Sept. 13.	Aug.	30
Sept. 20.	Storm water sewers, Lake City, S. C.	Sept.	13
Sept. 22.	Sewers, Susanville, Cal.	Sept.	13
Sept. 22.	Sewers, St. Johnsville, N. Y. Advertised, Eng. News, Sept. 6 and 13.	Sept.	6
Sept. 23.	Storm sewer, Portland, Ore.	Sept.	6
Sept. 23.	Storm sewer, Portland, Ore.	Sept.	13
Sept. 27.	Sewers, Brainerd, Minn.	Aug.	9
Oct. 1.	Sewers, Narberth, Pa. Advertised, Eng. News, Sept. 6 to 20.	Sept.	6
Oct. 2.	Sewers, Washington, D. C. Advertised, Eng. News, Sept. 13 and 20.	Sept.	13
Oct. 3.	Sewer, St. Marys, Ohio. Advertised, Eng. News, Sept. 13.	Sept.	13
Oct. 3.	Sewers, Fayetteville, N. C. Advertised, Eng. News, Sept. 13 to 27.	Sept.	13

STREETS AND ROADS.

Sept. 13.	Paving, Chickasha, Ind. T.	Sept.	6
Sept. 14.	Grading, Sandusky, Ohio	Sept.	6
Sept. 14.	Paving, Portsmouth, Ohio	Sept.	6
Sept. 15.	Gravel roads, Terre Haute, Ind.	Sept.	6
Sept. 15.	Stone road, Hohokus, N. J.	Sept.	13
Sept. 15.	Paving and grading, McMechen, W. Va.	Sept.	13
Sept. 17.	Sidewalks, Roanoke, Va.	Sept.	13
Sept. 17.	Paving, Albany, N. Y.	Sept.	13
Sept. 17.	Sidewalks, Colbourg, Ont.	Sept.	13
Sept. 17.	Crosswalks, Salt Lake City, Utah	Sept.	13
Sept. 17.	Grading, Perth Amboy, N. J.	Sept.	6
Sept. 17.	Paving, Dowagiac, Mich. Advertised, Eng. News, Sept. 6 and 13.	Sept.	6
Sept. 18.	Artificial stone pavement, Henderson, Ky.	Sept.	13
Sept. 18.	Paving, Mattoon, Ill.	Sept.	13
Sept. 18.	Paving, New York, N. Y.	Sept.	13
Sept. 19.	Paving, Cleveland, Ohio	Sept.	13
Sept. 20.	Paving, St. Boniface, Man.	Sept.	13
Sept. 20.	Paving, New York, N. Y.	Sept.	13
Sept. 20.	Rock road, Evansville, Ind.	Sept.	13
Sept. 20.	Sidewalks, Cheyenne, Wyo.	Sept.	13
Sept. 20.	Grading, Texarkana, Ark.	Sept.	13
Sept. 20.	Paving, Portsmouth, Va. Advertised, Eng. News, Sept. 6 and 13.	Sept.	6
Sept. 20.	Gravel road, Newport, Ind.	Sept.	6
Sept. 21.	Macadam, Flemington, N. J.	Sept.	6
Sept. 21.	Paving, Des Moines, Iowa	Sept.	13
Sept. 22.	Asphalt binder, Washington, D. C. Advertised, Eng. News, Sept. 13.	Sept.	13
Sept. 22.	Paving, Waycross, Ga.	Sept.	6
Sept. 24.	Macadam, Chippewa Falls, Wis.	Sept.	6
Sept. 24.	Paving, Amityville, N. Y. Advertised, Eng. News, Sept. 13.	Sept.	13
Sept. 25.	Paving, Cincinnati, Ohio	Sept.	6
Sept. 26.	Paving, Fond du Lac, Wis.	Sept.	13
Sept. 26.	Sidewalks, New York, N. Y.	Sept.	13
Sept. 29.	Grading, Terre Haute, Ind.	Sept.	13
Oct. 1.	Macadam paving, Jacksonville, Fla.	Sept.	13
Oct. 1.	Pike road, Clinton, Tenn.	Sept.	13
Oct. 1.	Paving, Egmont, Fla.	Sept.	13
Oct. 1.	Paving, Jacksonville, Fla.	Sept.	13
Oct. 2.	Roads, Bedford, Ind.	Sept.	13

REGARDING NEW PROJECTS

ENGINEERING NEWS desires to obtain the **earliest possible reliable information** concerning all projected work. We will appreciate any items that you may send us. Copies containing such information will be mailed to you, upon request.

ADDRESS THE

Construction News Department

MISCELLANEOUS CONTRACTS.

Sept. 13.	Quay, Spain (Foreign)	Aug.	30
Sept. 14.	Dam, Columbus, Ohio. Advertised, Eng. News, Aug. 23 to Sept. 13.	Aug.	23
Sept. 14.	Levee, New Orleans, La.	Aug.	30
Sept. 15.	Railway, Ecuador (Foreign)	Aug.	23
Sept. 15.	Canal, levee, Grosse Tete, La.	July	26
Sept. 15.	Irrigation ditches, Hazen, Nev. Advertised, Eng. News, Aug. 2 to 30.	Aug.	2
Sept. 15.	Embankment, East St. Louis, Ill.	Sept.	13
Sept. 17.	Railway, Bulgaria (Foreign)	Sept.	13
Sept. 17.	Subway, tunnel, Minneapolis, Minn. Advertised, Eng. News, Sept. 6 and 13.	Aug.	30
Sept. 17.	Dam, Hermiston, Ore. Advertised, Eng. News, July 26 to Aug. 16.	July	26
Sept. 18.	Portland cement, Portland, Ore. Advertised, Eng. News, July 26 to Aug. 9.	July	26
Sept. 18.	Naval supplies, Washington, D. C.	Aug.	30
Sept. 18.	Light-house, Vallejo, Cal.	Aug.	23
Sept. 18.	Telephone cable, Australia (Foreign)	Aug.	30
Sept. 18.	Pneumatic tube service, Wash., D. C.	Aug.	30
Sept. 18.	Two piers, North Chicago, Ill.	Aug.	30
Sept. 18.	Supplies, Washington, D. C.	Sept.	6
Sept. 18.	Subway, Auburn, N. Y. Advertised, Eng. News, Sept. 13.	Sept.	13
Sept. 19.	Fire alarm system, Ft Leavenworth, Kan.	Sept.	6
Sept. 20.	Tile drain, Pontiac, Ill.	Sept.	6
Sept. 20.	Port Uruguay (Foreign)	Sept.	13
Sept. 21.	Ditch, Hillview, Ill.	Sept.	13
Sept. 22.	Dredging, Mobile, Ala. Advertised, Eng. News, Aug. 30 to Sept. 20.	Aug.	23
Sept. 22.	Elec. subway system, West Point, N. Y. Advertised, Eng. News, Aug. 23 to Sept. 13.	Aug.	23
Sept. 24.	Jetty and dike, Wilmington, Del. Advertised, Eng. News, Aug. 30 to Sept. 20.	Aug.	30
Sept. 24.	Boiler, Wilmington, Del. Advertised, Eng. News, Aug. 30 to Sept. 20.	Aug.	30
Sept. 24.	Dredging, rock removal, New York, N. Y. Advertised, Eng. News, Aug. 30 to Sept. 20.	Aug.	30
Sept. 24.	Fire hose, Winnipeg, Man.	Sept.	6
Sept. 25.	Naval supplies, Washington, D. C.	Sept.	6
Sept. 25.	Steel dredge, 10 pontoons, Cincinnati, O. Advertised, Eng. News, Aug. 30 to Sept. 20.	Aug.	30
Sept. 25.	Mail chutes, Chicago, Ill.	Sept.	13
Sept. 26.	River dredging, Chicago, Ill.	July	19
Sept. 26.	Dredging plant, Chicago, Ill.	July	19
Sept. 27.	Rock removal, New London, Conn. Advertised, Eng. News, Aug. 30 to Sept. 20.	Aug.	30
Sept. 28.	Portland cement, Garden City, Kans. Advertised, Eng. News, Aug. 9 to 30.	Aug.	9
Sept. 28.	Dredging, New York, N. Y. Advertised, Eng. News, Aug. 30 to Sept. 20.	Aug.	30
Sept. 29.	Dredging, Boston, Mass.	Sept.	13
Sept. 30.	Drainage, Ft. Snelling, Minn.	Sept.	13
Oct. 1.	Irrigation canal, Wenatchee, Wash.	Sept.	13
Oct. 1.	Ditches, Portland, Ore. Advertised, Eng. News, Aug. 9 to 30.	Aug.	9
Oct. 1.	Lock, Donaldsonville, La. Advertised, Eng. News, July 5 to Sept. 27.	July	5
Oct. 3.	Coal-handling plant, San Quentin, Cal. Advertised, Eng. News, Aug. 9 and 16.	Aug.	9
Oct. 10.	Railway, Belgium (Foreign)	Aug.	30
Oct. 11.	Dredging, New York, N. Y. Advertised, Eng. News, Sept. 13 to Oct. 4.	Sept.	13
Oct. 15.	Drains, Rio Grande do Sul, Brazil (Forn.)	May	31
Oct. 15.	Steel sheds, Rys., Manila, P. I. Advertised, Eng. News, July 19 to Aug. 30.	July	19
Oct. 16.	Dam, canal, excav., Lascruces, N. Mex. Advertised, Eng. News, Sept. 6 to Oct. 11.	Sept.	6
Nov. 6.	Railway, Spain (Foreign)	Aug.	30
Mar. 18 ('07).	Tunnel, New Zealand (Foreign) Advertised, Eng. News, Sept. 13 to Mar. 14.	Sept.	13
Sept. 20.	Chinese laborers, Panama	Aug.	23

CIVIL SERVICE EXAMINATIONS.

Sept. 14.	Arch. Draftsmen, Chicago, Ill.	Aug.	30
Sept. 15.	Bridge Draftsman, Albany, N. Y.	Aug.	30
Sept. 15.	Bridge Designer, Albany, N. Y.	Aug.	30
Sept. 15.	Rodman, Albany, N. Y.	Aug.	30
Sept. 15.	Sanitary Chemist, Albany, N. Y.	Aug.	30
Sept. 15.	County Engr., Albany, N. Y.	Aug.	30
Sept. 15.	Engineer Draftsman, Albany, N. Y.	Aug.	30
Sept. 18.	Struct. Iron Designers, Chicago, Ill.	Aug.	30
Sept. 19.	Examiner, Washington, D. C.	Aug.	30
Sept. 20.	Pitometer Expert, Chicago, Ill.	Aug.	30
Oct. 1.	Construct. Engr., Washington, D. C.	Aug.	30

RAILWAYS.

The names of parties awarded contracts are printed in capital letters.

ANNISTON & COLUMBUS.—Application has been made to incorporate the Anniston & Columbus Railway Co., to build a railroad from Anniston, Ala., to Columbus, Ga., via Roanoke, Ala., about 100 miles. The following directors have been elected: W. H. Weatherly, Pres.; O. H. Parker, Secy. and Treas.; James C. Spruoil, Thomas E. Kilby, Eugene L. Turner, M. B. Wellborn, James Keith, W. P. Acker and Whitfield Clark.

ATLANTIC COAST LINE.—The Florida Midland division, extending from Apopka to Kissimmee, Fla., may be converted from narrow to standard gage. E. B. Pleasants is Ch. Engr., at Wilmington, N. C.

BAY POINT & CLAYTON.—Incorporated in California to build a railroad twelve miles long from Bay Point, Contra Costa County, to Clayton, with a branch to the quarries near Concord. Olney & Olney, of San Francisco, are attorneys for the company. Capital stock, $150,000.

BEHRING RIVER.—Incorporated in Washington to build a railroad in Alaska from near Knik northerly up the Behring River to a point on Cedar Creek. Capital stock, $500,000. Incorporators: Clarence Cunningham, Miles C. Moore, Frederick Burbridge, H. C. Henry and C. J. Smith. Principal office, Seattle, Wash.

CANADIAN NORTHERN.—It is reported that an arrangement has been made by the Canadian Northern Ry. and the Grand Trunk Pacific Ry. companies for the construction of a line to Hudson Bay from Regina or some other point in Saskatchewan.

CENTRAL OF GEORGIA.—C. K. Lawrence, Ch. Engr., Savannah, Ga., writes us that only preliminary surveys are being made now for proposed line from Albany, Ga., to Apalachicola, Fla.

CHICAGO, MILWAUKEE & ST. PAUL.—Contract for building the extension from the Bitter Root Mountains to the Columbia River has been let to H. C. HENRY, Bailey Bldg., Seattle, Wash. The route follows the St. Joseph River from the Idaho line to a point below Ferrell or St. Joseph, Idaho, then on to Tekoa, Wash., to Rosalia and along the south side of Rock Lake until it reaches Lind, on the Northern Pacific. From Lind the line will practically follow the survey of the old Northern Pacific cut-off from Lind to Ellensburg. Contracts for a part of the work have been let to GRANT, SMITH & CO. The firm includes E. N. Jones, of Jones & Onserud, railroad contractors of Spokane.

This company has announced the route of 721 miles of its new Pacific Coast extension, being the section from the Missouri River to Butte, Mont. The entire route from Glenham, S. Dak., where the Evarts line is left, to the coast probably will be given out within the next 30 or possibly 60 days. From Butte to the coast most of the route is still in doubt. The new extension leaves the Aberdeen-Evarts line at Glenham, about ten miles east of the Missouri River. It runs northwesterly to the point where a bridge will be built across the river. From the river the road will run northwest, going over into North Dakota almost at the northeast corner of Butte County, North Dakota, crossing the line between South Dakota and Montana, about ten miles north of the north line of Bowman County. In Montana the line will run northwest, crossing the Northern Pacific R. R. and the Yellowstone River at Erric. It will then run a little south of west of the north bank of the Yellowstone to a point directly opposite Forsyth, Mont. From there it will run as directly as possible to Musselshel, on the big bend of the Musselshel River. The valley of the Musselshel will furnish route for the new line to Harlowton, where it connects with the Montana Railroad Co.'s line from Lewiston to Lombard. This line has been purchased by the C., M. & St. P. Co., and the track from Harlowton to Lombard, 95 miles, will be used. From Lombard into Butte the new lines will parallel closely the Northern Pacific. D. J. Whittemore is Ch. Engr., at Chicago.

COOS BAY, ROSEBURG & EASTERN R. R. & NAVIGATION CO.—The Southern Pacific Co. has purchased this line, paying $1,000,000 or more for it, it is said. It runs from Marshfield, Ore., to Myrtle Point, with branch to Beaver Hill, 26 miles. By way of Myrtle Point, Marshfield and Drain, the S. P. Co. may soon develop a North Coast line from San Francisco to Portland. Between Drain and Portland the present Mount Shasta line will be used.

FRONT ROYAL, RAPPAHANNOCK & TIDEWATER.—We are officially informed that company is negotiating with engineers for preliminary survey for its line from Front Royal, Va., to Tidewater, via Chesters Gap, 15 miles. No definite work has been done yet. Col. S. R. Miller is Pres., Front Royal, Va. Previously noted.

GRANDIN & NORTHWESTERN.—Referring to the recent incorporation of this company in Missouri to build a 15-mile line in Shannon County, we are informed that this railroad is being built by the Missouri Lumber & Mining Co., principally for a logging road for its own use. Noted on Aug. 16.

HAMPSHIRE SOUTHERN.—This company, with capital stock of $30,000, has been chartered in West Virginia to build a railway from Spring Gap via Romney through Grant and Hardy Counties to Durbin, about 100 miles, where connection will be made with the Chesapeake & Ohio and Western Maryland railroads. The incorporators are Duncan Sinclair, Supt. of the New Central Coal Co. in the Fairmont field; Raymond Abbaticchio and William B. Cornwell, of Fairmont; John J. Cornwell, of Romney, and John T. McGraw, of Grafton, W. Va.

MISSISSIPPI.—The Anchor Sawmill Co., Ellisville, Miss., is in the market for 16 miles of logging railroad and two locomotives.

MISSOURI, ARKANSAS & SOUTHWESTERN.—We are officially advised that this line when built is to extend from Batesville to Black Rock, Ark., 52 miles. 30 miles of right-of-way are secured. Surveys have been made. R. W. Earnheart is Pres., at Batesville, Ark. B. I. Brookfield is Ch. Engr., at Jonesville, Ark.

OREGON & WASHINGTON R. R.—William Crooks, Pres., Portland, Ore., informs us that company is making survey for its proposed 185-mile line to Everett, Wash. E. C. Hawkins is Ch. Engr., at Seattle, Wash. Right-of-way is being obtained. Capital for construction is secured.

OSCEOLA, LITTLE RIVER & WESTERN.—J. E. Roberts, Ch. Engr., Osceola, Ark., states that this road will extend from Osceola west to Little River, 15 miles, and that 5½ miles of the line have been completed from Osceola west. It is expected to build four miles more this year. At present the road is being used for logging purposes. John P. Kelser is Pres., at Osceola, Ark.

PULLMAN RAILROAD.—Incorporated in Illinois to build a railroad from Pullman to Pullman Junction, Kensington, harbors on Calumet River and Calumet Lake and to a point on the Indiana state line. Capital stock, $125,000. Incorporators: Richmond Dean, F. F. Meyers, J. L. Wood, F. B. Johnstone and C. F. Jobson, Chicago.

ST. LOUIS & SAN FRANCISCO.—Regarding construction of this road from Oklahoma City, via Norman, to Sapulpa, Ind. T., A. J. Davidson, Pres., at St. Louis, advises us that "we are at present surveying a line from Oklahoma City south to junction with our proposed extension from Ardmore to Waurika. We have not yet determined upon our final location, but it is probable that we will pass through Norman, Ind. T., and thence in a pretty direct line towards Lindsay, Ind. T., and connect with the proposed extension from Ardmore west in the vicinity of Cornish, Ind. T."

ST. LOUIS, ROCKY MOUNTAIN & PACIFIC.—It is officially announced that the portion of the St. Louis, Rocky Mountain & Pacific Ry. which is now under construction extends from Des Moines to Ute Park, N. Mex., a distance of 97 miles. In addition there are two branch lines—one from Clifton House to Raton, a distance of 6½ miles, and the other along Crow Creek from Koehler Junction to Koehler, a distance of 3¼ miles. The road from Ute Park to Raton, approximately 55 miles, is completed. The Crow Creek branch is also finished, and the Raton branch will be done in another month. Grading work from Raton east to Des Moines, a distance of 42 miles, is being vigorously pushed, and more than one-third is now disposed of. All bridge work is so well under way that it will cause no delay in completing the road. O. H. B. Turner is Ch. Engr., at Raton, N. Mex.

SHREVEPORT, HOUSTON & GULF.—Nine miles of line have been completed from Prestridge to Manning, La. The line is to be continued eventually to Houston, 100 miles, via Kelley. No further work is now being done. W. T. Carter, of Houston, Tex., is Pres.; G. A. Kelley, of Lufkin, Tex., is Vice-Pres., and L. D. Garrison, of Manning, La., is Auditor and Traffic Mgr.

SIOUX CITY, PIERRE & NORTHWESTERN.—Surveys will be commenced about Sept. 15 for this proposed road from Sioux City, Iowa, to Pierre, S. Dak., and thence to Minneapolis, Minn. The following are the officers of the company, all with headquarters at Terre Haute, Ind.: A. S. King, Pres.; E. M. Thompson, First Vice-Pres.; G. N. Borden, Second Vice-Pres.; R. C. Brown, Gen. Mgr.; W. J. Shepherd, Secy.; R. H. Shepherd, Treas.

SOUTH & WESTERN.—This company has let contract to CARPENTER & BOXLEY, of Roanoke, Va., for grading ten miles of line from the Southern Railway crossing at Johnson City, Tenn., northwestward toward Kinsport. Contract for a second ten miles is reported to have been let by the same company to WALTON, WILSON & CO., of Knoxville, Tenn.

SOUTHERN PACIFIC.—The Southern Pacific plans to construct a $500,000 terminal, with extensive roundhouses and 50 miles of switching tracks at Roseville, Cal.

STATENVILLE RY.—We are officially advised that the A. G. GARBUTT LUMBER CO., Valdosta, Ga., has contract for building this railway. It will be 14 miles long. Noted on Aug. 23.

TEMISKAMING & NORTHERN ONTARIO.—Company will soon issue a call for bids for building three branch lines, as follows: The Kerr Lake branch, five miles long, from Cobalt, Ont.; another line, seven miles long, from Englehart to the foot of Long Lake, Charlton. A 2-mile line will run to Haileyburg wharf, giving access to Lake Temiskaming. G. A. McCarthy is Ch. Engr., at North Bay, Ont.

WESTERN MARYLAND.—J. Q. Barlow, Ch. Engr., Cumberland, Md., advises us that surveys have been made and that right-of-way is now being obtained for the proposed extension from Cumberland, Md., to Wheeling, W. Va., and to Pittsburg, Pa., 200 miles long. The Western Maryland and subordinate companies now operate 543 miles of road.

ELECTRIC RAILWAYS.

The names of parties awarded contracts are printed in capital letters.

BUFFALO, N. Y.—We are officially advised that nothing will be done before next spring in regard to building the Frontier Electric Ry. This railway was noted fully on Aug. 23.

NYACK, N. Y.—We are officially informed that the proposed West Shore Traction Co. has had surveys made for the electric line which it will construct from the state line of New York and New Jersey through Piermont, Grand View, South Nyack, Nyack, Upper Nyack, Rockland Lake, Congers, Long Clove, Haverstraw, West Haverstraw, Stony Point and Lowland Hill to Tompkins Cove, about 25 miles. Right-of-way is being obtained. Capital is secured and contracts will be let as soon as franchises are granted and the petition is passed upon by the State Board of R. R. Commissioners. Charles E. Van Bibber, 25 Broad St., New York, is Engr. Company has not yet incorporated.

SYRACUSE, N. Y.—Thomas H. Mather, Ch. Engr. of the Syracuse, Lake Shore & Northern R. R. Co., advises us that contracts will be let about Sept. 25, instead of Sept. 1, for grading and bridging on an extension from Baldwinsville to Fulton, N. Y., via Phoenix, 15 miles. Surveys are made and right-of-way is being obtained. C. D. Beebe is Pres., at Syracuse.

ISLIP (L. I.), N. Y.—James T. Wood, as President of the Cross-Island Traction Co., has filed with the town board an application for a franchise to build and operate an electric road east from the Brookhaven line, through Bayport and Sayville and north to Lakeland and the village of Ronkonkoma. The route is a very circuitous one, and the application asks for permission to make connection at any and all points. The company offers to put up a $10,000 bond while the road is being constructed, and also agrees to strengthen all bridges over which the road passes and pay one-third of the cost of maintaining the same. It also agrees to make not less than one round trip per day. The town board has taken the matter under consideration and a meeting to consider the proposition is to be held at Justice White's office, in Sayville, on Sept. 19.

PAUL SMITHS, N. Y.—The Paul Smiths Electric Light & Power & Electric Co., which was organized some time ago and incorporated with a capital of $100,000, has been authorized by the State R. R. Commission to build an electric line about nine miles long through the Adirondacks from Lake Clear to Paul Smiths, with a branch from the main line to Upper St. Regis Landing.

DOVER, DEL.—The Peninsula Traction Co. has been chartered here with a capital stock of $1,000,000, to build a rapid transit railway running through the principal towns and villages in Talbot, Caroline, Dorchester, Wicomico and Worcester Counties, with a terminus at Ocean City. It is proposed ultimately to connect the line with Wilmington and Philadelphia.

CHARLESTON, S. C.—Notice is given that on Sept. 24 subscriptions will be received by Legare & Holman, 39 Broad St., to the capital stock of the Charleston & St. Andrews Railway Co. The corporators are George S. Legare, J. J. O'Connell and Duncan J. Baker.

JACKSONVILLE, FLA.—George W. Clark and associates have received right-of-way from county to build an electric railway over certain roads from Jacksonville to Panama Park. Mr. Clark advises us that "in order to build a street railway from this city to Panama Park we have to secure a franchise to extend the line to the heart of this city. Our bill is now pending before the Laws and Rules Committee of the City Council."

GREENVILLE, MISS.—The Greenville & Leland Interurban Electric Railroad Co. has organized to build a line from Greenville to Leland, ten or twelve miles. The directors are J. R. Robertshaw, W. E. Hunt, Henry Crittenden, Arthur Hiden, Alfred Shields, E. A. Dalton, Morris Rosenstock, Edward Holland, John L. Hebron, Jr., Nathan Goldstein and W. A. Everman. Capital stock, $300,000.

NEW ORLEANS, LA.—A. Monteleone, Prop. of the Commercial Hotel, is interested in a plan to build an electric railway from New Orleans to La Branch, Mansack and Hammond, La. A press report says that the Interurban Co. of New York may build the line.

COVINGTON, TENN.—The Memphis, Covington & Northern Ry., in which Dr. G. B. Gillespie, J. C. Boals, J. T. Garner, W. A. Black, C. H. Stovall, Dr. Hugh Sullivan, of Covington, Tenn.; Dr. J. B. Witherington, of Mumford, and W. H. Bingham, of Kerryville, are interested, plans to build an electric railway from Memphis to Covington. The Palmer Electric Co., of Kansas City, has the contract for making surveys, plans, estimates of cost of construction, etc.

NELSONVILLE, OHIO.—L. F. Carpenter, Pres. of the Nelsonville, Athens & Glouster Traction Co., Nelsonville, advises us that company is now ready to arrange for financing its project to build an electric line from Nelsonville to Glouster, thence to Athens and back to Nelsonville, 40 miles. While right-of-way is obtained, no survey has been made. J. W. Andrews, 60 Wall St., New York, is Ch. Engr.

CINCINNATI, OHIO.—Guy W. Mallon, of Cincinnati, is interested in a project to build a line from Rose Hill, in Avondale, north through Sharon and Middletown to Franklin, a distance of about 40 miles. The line will connect with the lines of the Cincinnati Traction Co. at Rose Hill. The road will be part of the Cincinnati Northern Traction Co. and the Mill Creek Valley lines.

INDIANAPOLIS, IND.—The Indianapolis, Huntington, Columbia City & Northwestern Ry. Co., recently incorporated, has made a mortgage to the Central Trust Co., of Indianapolis, securing an issue of $1,500,000 of 5% bonds of 1936. The company proposes to build a line from Indianapolis, Ind., to Goshen, via Columbia City and Huntington, about 150 miles, and the mortgage covers the division from Huntington to Goshen, 60 miles. Contracts for the grading, track and overhead work on this section, it is reported, have been let to M. B. RYAN, Silver Creek, N. Y. C. E. Merrifield is Pres., with office at Indianapolis, and I. D. Wiest is Secy.-Treas. and Gen. Mgr.

ELKHART, MICH.—A franchise has been granted by this city to the Elkhart, Three Rivers & Kalamazoo Railway Co. John M. Caulfield, of South Bend, is reported to have made the statement that the right-of-way has all been secured between Three Rivers and Elkhart and nearly all between Three Rivers and Kalamazoo, and that work on the line will be begun this month. The road is to be completed and in operation within two years.

EAST ST. LOUIS, ILL.—[illegible]es of incorporation for the East St. L[illegible] Columbus & Waterloo Ry. Co., with a [illegible]tal stock of $10,000, whose principal [illegible] will be located at Columbia, Ill., have [illegible] filed. The line is to be constructed fro[illegible]st St. Louis to Waterloo, Monroe Coun[illegible] The incorporators and first board o[illegible]rectors are: Joseph W. Rickert and J. [illegible]enigsmark, of Waterloo; J. W. Warnock [illegible] F. Schoen-

BOONE, IOWA.—John W[illegible]d, C. E., advises us that the proposed [illegible]e, Webster City & Interurban Ry. line [illegible] run from Boone to Webster City, v[illegible]anhope or Stratford, 30 miles. Surveys [illegible]now being made by Budd & Moughm[illegible]ers., 200 Marquandt St., Des Moines, [illegible] Noted on Aug. 16 and on Aug. 23.

WINFIELD, KAN.—The Un[illegible]reet Ry., a horse-car line, has been [illegible]ased and will be entirely rebuilt, [illegible]ded and equipped with electricity. The [illegible]sers are D. H. Siggens and W. D. Tod[illegible] Warren, Pennsylvania.

INDEPENDENCE, KAN.—T[illegible] Lindsay Interurban Co., of Chanute, [illegible] secured from the Council an extension [illegible]s franchise, depositing with the city [illegible] a check for $500 as a guarantee that w[illegible] 60 days company would begin construct[illegible] work in Independence. Mr. Brewster, [illegible]resenting the company, has stated to the [illegible]ouncil that the company had secured the mo[illegible] for the road and let the contract for the [illegible]struction to the ELDENBEL CONSTRUCTI[illegible]N CO.

WAGNER, S. DAK.—John H. [illegible]sher, of this place, is promoting an electric railway between Wagner and Lake Andes.

ST. LOUIS, MO.—Contracts will be let as soon as its entire line is surveyed by the St. Louis & Southeastern Ry. Co. Company proposes to build a line from St. Louis via Hillsboro, De Soto, Valle Mines, East Bonne Terre, Flat River, and St. Genevieve to Cape Girardeau, Mo., about 135 miles. Right-of-way is partly secured. O. M. Monroe is Pres.; Wm. J. Manthe, Vice-Pres.; Edward Beisbarth, Secy.; J. F. Walther, Treas.; James G. Jennings, Second Vice-Pres. and Ch. Engr., and John W. Edy, Assistant Ch. Engr., all of De Soto, Mo.

HOUSTON, TEX.—The Houston Belt & Terminal Ry. Co. gives notice that a meeting will be held Sept. 20 to consider the proposition of issuing $5,000,000 of bonds to finance the construction and for completing, improving and operating of its railway. L. W. Murdock is Secy.

AUSTIN, TEX.—The franchise granted some months ago to William Gallatin Carroll & Co., of New York, to build an interurban railroad between Austin and Lockhart has been formally accepted. Work is to begin within six months. S. M. Posey represents the Carroll syndicate.

ABILENE, TEX.—A street railway system is to be constructed at Abilene by John H. Morrow and associates. The City Council has granted a franchise for the use of the streets.

LEAVENWORTH, WASH.—We are officially informed that the Big Red Apple R. R. Co. will build an electric railroad from Leavenworth to Wenatchee, Wash., 30 miles. Company was recently incorporated with $10,000 capital stock. M. O. Tibbitts is Pres., at Cashmere, Wash. Surveys are under way and right-of-way and capital are partly secured.

MARYSVILLE, CAL.—We are officially advised that the San Francisco & Great Eastern Ry. Co. is making survey for its line which will extend from Marysville to Downiesville.

LOS ANGELES, CAL.—The Hill St. tunnel plan has been defeated by the City Council. The Council has refused to grant a spur-track franchise by which the Los Angeles-Pacific Co. may be given a right-of-way through the proposed tunnel and the privilege of carrying freight. It was the attempt of the company to obtain the freight privilege that defeated the measure.

LEWISTON, IDAHO.—Stockholders of the Lewiston & Southeastern Electric Ry. Co. at a recent meeting voted to issue $5,000,000 of bonds. The bonds have already been placed. Contract for building the road has been awarded to the SCOFIELD CO., Pennsylvania Bldg., Philadelphia, Pa.

HAMILTON, ONT.—The contracts for the construction of the Brantford & Hamilton Electric Ry. have been awarded. Electrical supplies will be furnished by the CANADIAN WESTINGHOUSE CO., of Hamilton. The railway company has opened offices in the Chancery Chambers. The following officers have been appointed: I. K. Pierson, Ch. Engr.; Elmer T. Haines, Secy.; J. W. Nesbitt, Solicitor, and Miss Agnes Geddes, Treas.

LONDON, ONT.—A. E. Welch, of this city, is interested in plan to build the North Midland Electric Ry. This road will extend from London to Stratford, a distance of 35 miles.

LONDON, ONT.—A by-law has been introduced into the City Council of London giving notice of the city's intention to buy the London Street Ry. and run it as a municipal concern.

LIGHT AND POWER PLANTS.

The names of parties awarded contracts are printed in capital letters.

CAVENDISH, VT.—It is reported that a large power plant is to be erected here by Boston capitalists to supply electricity for Claremont, N. H., industries. A transmission line, 16 miles in length, will be built.

BEVERLY, MASS.—The Beverly Gas & Electric Co. has been authorized by the Board of Gas and Electric Light Commissioners to issue $200,000 of bonds for additions to its plant. John Foley is Ch. Engr.

EAST TEMPLETON, MASS.—The electric light commissioners have awarded the contract for constructing the municipal light plant to E. E. LEY & CO., of Springfield.

BERLIN, CONN.—The New York, New Haven & Hartford R. R. Co. will enlarge the electric plant here. A 2,500-HP. motor is to be added. E. L. Pollock is Pur. Agt., at New Haven.

BERGEN, N. Y.—The Genesee Power Co. has made a proposition to the Business Men's Association of Bergen to tap the Niagara, Lockport & Ontario Power Co.'s line at the West Shore station and erect a $10,000 transformer, for the purpose of furnishing the village with power and light, provided the company be guaranteed business to the amount of $5,000 a year.

AUBURN, N. Y.—E. K. FENNO has been awarded the contract for the construction of the power station here, from which electricity will be furnished to Auburn.

ATLANTIC CITY, N. J.—The contract for lighting Meadow Boulevard has been awarded to the PLEASANTVILLE ELECTRIC C[O].

PITTSBURG, PA.—The Juneau Mining & Power Co. of Pittsburg, has been incorporated in Delaware, with $1,000,000 capital, rated to mill, refine and prepare for the market kinds of ores and metals, and to furnish light, heat and power by electricity or other agencies. The incorporators are Alfred J. Rogers, Burtelette S. Bontrager and G. B. Winston, of Pittsburg.

POTTSVILLE, PA.—Bids are asked by the town council, until Sept. 18, for lighting the streets of the borough and borough buildings with either electricity or gas for a period of five years. G. A. Benner, Town Clk.

WASHINGTON, D. C.—J. G. White & Co., 43 Exchange Pl., New York, have been appointed consulting engineers to the government for the design of the new power plant of the Congressional group of buildings at Washington. This group includes the Capitol, the new House and Senate office building and the Congressional Library. The plant will supply light, heat and power to all the buildings on and adjoining the Capitol grounds, and will have a capacity of 14,[000] HP. Bids were first advertised for and received Sept. 30, 1905. On July 2 of this year those first bids were rejected and J. G. White & Co. retained to draw new plans. When these are completed new bids will be received.

ASHLAND, VA.—See under Water Supply—Irrigation.

WINCHESTER, VA.—Winchester & Washington City Ry. Co. is arranging to erect electric light and power plant, furnishing power for operating proposed electric railway. A building 100 × 50 ft. will be erected and equipped for a capacity of 3,000 HP. About $250,000 will be invested in plant and pole lines. N. Wilson Davis, R. F. D. No. 1, Charlestown, W. Va., is Engr. in Charge; S. H. Hansbrough is Pres.; Shirley Carter is Secy. and Treas., and S. L. Hoover is Gen. Mgr.

LYNCHBURG, VA.—It is reported that plans are being prepared for the proposed municipal electric light plant, to cost $50,000. H. L. Shaner is City Engr.

NORFOLK, VA.—It is reported that the Norfolk & Western Ry. will build an electric lighting plant at Lambert's Point, near here, at a cost of $50,000, to furnish electricity for lighting Norfolk, Berkeley and Portsmouth. N. D. Maher, Roanoke, is Gen. Mgr.

MANASSAS, VA.—Bids are asked, until Oct. 10, by O. E. Newman, Chn. Construction Com., at the People's National Bank, for constructing water-works and electric light plant. (Advertised, Engineering News.)

WASHINGTON, GA. — Anthony Shoals Power Co., organized by J. H. and T. M. Fitzpatrick and associates, for the development of the water power of Anthony Shoals, on Broad River, has decided to increase capital stock to $5,000,000, and arrangements are now being perfected for financing the enterprise. Previous reports showed the company's purpose to be the construction of a 30-ft. dam across Broad River and the building of an electric plant for transmitting the power obtained to Washington and other points for industrial and power purposes.

GOODWATER, ALA.—W. S. Reynolds and others will erect an electric light plant here.

CHALMETTE, LA.—The New Orleans Terminal Co., of New Orleans, is receiving bids for the construction work on the big power house to be erected at a cost of $400,000. It will furnish power for operating the warehouse sheds and other equipment of the Terminal company, both at Chalmette and in New Orleans. W. C. Dotterer, New Orleans, is Gen. Mgr.

LOUISVILLE, KY.—The Kentucky Electric Co. has been incorporated here, with a capital of $500,000, by Lawrence Jones, Saunders P. Jones and Donald McDonald to construct a lighting and heating plant.

EMINENCE, KY.—The Henry County Light & Power Co., organized to take over the defunct Eminence Electric Light Co., has been incorporated at Louisville, Ky., with a capital of $40,000. The incorporators are C. B. Hole, of W. N. Coler & Co., New York; J. J. Borger, who is managing the plant and who lives in Eminence; C. C. Hieatt, H. M. Johnson, of the firm of Johnson & Hieatt, of Louisville, and C. Y. Hieatt.

OTTAWA, OHIO.—The Village Council has decided to install a lighting plant to light Waterworks Park.

MALTA, OHIO.—The Malta & McConnelsville Gas Co. has been incorporated with a capital of $50,000. The incorporators are S. R. Dresser, Caroline K. Dresser, H. C. Hopp, Katie M. Hopp and J. A. Rivers.

CLEVELAND, OHIO.—The general contract for the power plant and heating system for the building of John Rock, at Woodland Ave. and East 55th St., has been awarded to the DEWSTOE & BRAINARD CO.

FRANKFORT, IND.—The Frankfort Heating Co., recently incorporated and capitalized at $[1]0,000, will erect and equip a large heating plant in this city. John D. Ross, H. C. Sheridan and C. W. Neal are directors.

SOUTH BEND, IND.—Chas. A. Chapin and others have been granted a franchise to build a dam in St. Joseph River, near Berrien Springs, north of this city. The purpose is to generate electricity for South Bend and surrounding towns. Estimated cost, $1,[000],000.

GARY, IND.—The Gary Heat, Light & Water Co. has been incorporated, with a capital of $100,000, to build a combination plant here. Thomas J. Hyman, A. F. Knotts, K. K. Knapp and others are directors.

OQUAWKA, ILL.—It is reported that an electric light plant will be erected here at a cost of $6,000.

PINKEYVILLE, ILL.—A company has been organized for the purpose of constructing an electric lighting plant in the town. It is expected to have the plant in operation by December, 1906.

ASHLAND, WIS.—A dam to develop power for electrical purposes will be constructed on the White River, about six miles south of this city, by the White River Power Co., incorporated with a capital of $300,000. A. W. Sheldon, E. A. Edmonds and C. A. Wixson are interested.

EAGLE RIVER, WIS.—An electric light plant is to be established here. Estimated cost, $50,000.

PORT WASHINGTON, WIS.—Bids are asked by the city of Port Washington, until 8 p. m., Sept. 17, for a 100-HP. suction gas producer and engine, a 500-gallon triplex power pump and a 700-gallon high-lift centrifugal pump. Specifications and bidding sheet may be obtained from W. G. Kirchoffer, C. E., Madison, Wis.

GREENVILLE, MO.—The Greenville Gas Co. has been incorporated, with a capital of $30,000. Emanuel D. Heyde, Alonzo E. Dunn and Melissa Heyde are the incorporators.

TEXARKANA, TEX.—John B. King, W. P. Harrison and others will organize a company to establish an electric light and power plant here.

BROWNSVILLE, TEX.—The city council has granted a franchise for the construction of a water-works and electric light plant here. The grantee is the Brownsville Water, Light & Power Co., composed of local capitalists who will take $25,000 stock. The plant will cost nearly $100,000. Work must begin in three months.

PURCELL, IND. T.—A charter has been granted to the Hobart Light & Power Co., with a capital of $550,000. The incorporators are Frederick A. Gale, of Chicago; George S. Selden, of Erie, Pa.; Dorset Carter, of Purcell, and James R. Talbert, the Oklahoma agent.

GRANITE FALLS, WASH.—It is reported that the Everett Improvement Co. will build a power plant here. J. T. McChesney is interested.

COMPTON, CAL.—A new electric light plant, under the management of G. R. Fulton, is to be established here.

MENDOCINO, CAL.—The Union Lumber Co. will erect an electric plant near its mill.

PASADENA, CAL.—New bids will be received for the construction of the municipal electric light plant. Herman Dyer is City Clk. Estimated cost, $125,000.

RHYOLITE, NEV.—R. W. Van Norden, Elec. Engr., of San Francisco, representing eastern capitalists, has been making preliminary observations in regard to the present and prospective demand for power and light in the Bullfrog district. It is proposed that an electric light plant be erected here.

HORSESHOE BEND, IDAHO.—The contract for constructing a dam for the electric light plant has been awarded to PHIL HARRIS, of Nampa.

SALT LAKE CITY, UTAH.—The UTAH LIGHT & RY. CO. has been awarded the contract for furnishing power for the Ogden Rapid Transit Co. O. A. Honnald is Ch. Engr. of the Utah Light & Ry. Co.

KENORA, ONT.—The contract for the municipal lighting plant equipment has been awarded to ALLIS-CHALMERS-BULLECH, LTD., of Montreal.

KINGSTON, ONT.—A by-law has been passed for extensive improvements at the city lighting plant. Estimated cost of improvements, $85,000. Hugo B. R. Craig is Design. Engr.

PORT ARTHUR, ONT.—Bids will soon be asked for the construction of another flume, to cost $50,000, in order to give an additional 1,000 HP. to the city electric plant. Cecil B. Smith, of Toronto, Ont., is Design. Engr.

BRIDGES.

The names of parties awarded contracts are printed in capital letters.

HOOSICK, N. Y.—This town has voted to replace the wooden bridge across Shingle Hollow Brook with a modern iron and steel bridge at an expense not to exceed $17,000. Plans and specifications will be drawn by Prof. Lawson of the Rensselaer Polytechnic Institute, Troy, N. Y.

READING, PA.—Bids are asked until 10 a. m., Sept. 21, for building a 3-arch concrete bridge, 36-ft. span, over Willow Creek, to be known as the Berkley Bridge, at East Berkley. H. F. Livingood, County Controller. (Advertised, Engineering News.)

WASHINGTON, PA.—Bids are asked until Sept. 24 by the Board County Commissioners, for constructing a 55-ft. span steel bridge and stone masonry abutments, with brick and concrete floor, on the Patterson Mills branch of Cross Creek, near Avella; also two 38-ft. span steel I-beam bridges on stone masonry abutments, in Twilight Boro., over South Maple Creek, near Charleroi.

WILKES-BARRE, PA.—The Lehigh Valley R. R. Co., according to the Wilkes-Barre "Record," will contribute its share towards the erection of the proposed bridge over the railroad tracks at North Wilkes-Barre. Some time ago the company promised to donate $15,000. It now has raised this amount to $20,000, which will insure the erection of the bridge if the other companies will fall in line and do their share. The Jersey Central Railroad Co. has offered to contribute $13,400, but the Delaware & Hudson has not as yet promised any definite sum. Second Vice-President, A. I. Culver of the D. & H. states that his company will not offer any particular amount until the engineers of the three companies get together and make some estimates as to cost. It is expected that this will be accomplished soon.

PHILADELPHIA, PA.—Thomas L. Hicks, Dir. Dept. Public Works, on Sept. 5, awarded contracts as follows for bridges: Mount Pleasant Ave., under the Chestnut Hill branch of the Philadelphia & Reading Railway, to RICHARD WALSH, for $33,000, one-half the cost of which to be paid by the railway company. Gorgas St., under the same branch of the Philadelphia & Reading Railway, to RICHARD WALSH for $32,000, one-half of the cost to be borne by the railway company. 58th St., over the West Chester & Philadelphia Railroad Co., to FILBERT PAVING & CONSTRUCTION CO., for $30,000, one-half of the cost to be borne by the Pennsylvania Railroad Co. Phil-Ellena St., under the Chestnut Hill branch of the Philadelphia & Reading Railway, to RICHARD WALSH for $33,000, to be paid by the city. Cresson St., over Midvale Ave., to READ & RIDDLE, for $20,000.

ATLANTA, GA.—The contract to furnish all material, and labor, of every description, and to build a bridge across Chatahoochee River, between the counties of Fulton and Cobb, at a point known as Powers Ferry, will be let at public outcry at the said bridge site at 11 a. m., Oct. 25. The bridge is to consist of three steel spans of 153 ft. each on pin centers. The spans are to rest upon steel tubular piers about 23 ft. in height, and concrete abutments at each end, all resting upon rock foundations. Total length of bridge is about 465 ft., and has one roadway of 16 ft. in the clear. H. L. Culberson, Chn. Fulton County Comrs. of Roads and Revenues.

LEESPORT, PA.—The Philadelphia & Reading Ry. Co. is about to rebuild the bridge spanning the Schuylkill River, leading from the main line to the Warren-Ehret Co.'s slag crusher. The present structure is becoming unsafe for a locomotive to cross.

CARBONDALE, PA.—Contract for the concrete bridge over Lackawanna River at Seventh Ave. has been awarded to F. J. HOWELL & CO., of this city. Bids were received on Sept. 10. H. P. Williams is City Clerk.

WELDON, N. C.—The contract to construct a steel bridge across Roanoke River for the Halifax & Northampton Bridge Co. has been awarded to the ROANOKE BRIDGE CO., of Roanoke, Va., at $11,900.

CLEVELAND, OHIO.—We are officially advised that the following bids were received on Aug. 16 by the Department of Public Service for building a concrete steel arch viaduct on Independence Road, Washington Park: Graves & Stevens, 27 Main Ave., N. W., Cleveland, $93,460, with stone balustrade, or $90,240 with concrete balustrade. The J. Connelly Construction Co., Norwood Road and Whittier Road, N. E., $95,543, for either stone or concrete. The Concrete Steel Construction Co., 416, The Arcade, $102,727 and $99,083.

TIFFIN, OHIO.—CHAS. TINKLER, of Canton, Ohio, has secured the contract for constructing a bridge over Sandusky River on the Heck Road, Seneca Township, for $8,000. It will have three spans. The total length will be 240 ft.

HAMILTON, OHIO.—The County Commissioners and the Cincinnati Northern Traction Co., F. R. Williams, Secy., Cincinnati, are considering the construction of a viaduct across Two Mile Creek at North B St., or the Seven Mile Pike.

TOLEDO, OHIO.—F. I. Consaul, Ch. Engr. Bd. Public Service, advises us that the Osborne Engineering Co., of Cleveland, has submitted general plans and estimates for a new concrete steel bridge at Cherry St. These will now be submitted by the Board of Public Service to the War Department for approval, after which detailed plans can be prepared and bids asked. In addition to figures on the straight Cherry St. bridge, plans and specifications were offered for the "U" structure. A bridge at the present site, such as authorized by council, will cost $701,000, including $63,735 for engineering. The "U" bridge has been figured at $770,039. Engineering for this structure is set down at $70,004.

CLEVELAND, OHIO.—The question of issuing $1,300,000 of bonds for a new bridge across the Cuyahoga River from Superior to Detroit Aves., will be voted upon at a special election to be held on Oct. 9.

HUNTINGTON, IND.—The commissioners of Huntington County have awarded a contract to the NATIONAL CONCRETE CO., of Indianapolis, for the construction of a two-arch bridge, each 165 ft. long, spanning the Wabash River, two miles west of the city. The contract price is $7,448. This will be the first concrete bridge over the Wabash in this county.

INDIANAPOLIS, IND. — The Board of County Commissioners of Marion and Hamilton Counties are stated to have adopted plans for a steel bridge to be built over Fall Creek, on the line of the two counties near Fortville. The structure is to cost $12,000.

INDIANAPOLIS, IND.—The Board of Works will receive bids on Sept. 17 for the construction of a bridge across the canal at 29th St. The proposals will be for concrete and for a steel girder construction. The bids are asked for both kinds because the city prefers concrete, but wants to know the difference in cost between it and steel. There will later be a bridge at 30th St., and city officials believe it should be of concrete construction in any case, as 30th St. is one of the chief thoroughfares to Riverside Park.

City Attorney Matson is to be asked immediately for an opinion as to the meaning of a law passed by the last Legislature which, in the opinion of the former Board of Works, provided that the Indianapolis Water Co., owning the canal, should bridge it.

PEORIA, ILL.—We are advised that the following are the bids opened on Sept. 4 for concrete steel Melan arch bridge: McArthur Bros., Chicago, $237,889; R. S. Bloome Co., Chicago, $169,100; MARSH BRIDGE CO., Des Moines, $150,280 (awarded contract). D. H. Roberts is Asst. City Engr.

Bids are asked until noon, Oct. 2, for construction of Scherzer rolling lift bridge across the Illinois River. E. A. Furry is Comr. Dept. Public Works.

ANNAWAN, ILL.—Bids are asked until 1 p. m., Sept. 15, for one pin connected highway bridge of 100-ft. span on concrete abutments, Alba Township. Separate bids will be received for superstructure and substructure. A. W. Johnson, State Highway Engr., Springfield, Ill.

ROCKPORT, ILL.—Bids are asked by Clerk, Atlas Township, Rockport, Ill., until 1 p. m., Sept. 14, for one pin connected highway bridge of 100 ft. span on a concrete abutment. Separate bids will be received for superstructure and substructure.

ALTON, ILL.—The Missouri & Illinois Bridge & Belt Co., owner of the Alton bridge, has announced that it will permanently improve the approach at Alton by rebuilding the embankment and removing the trestle supporting the track. A steel span will be put in between the last pier and an abutment at the end of the embankment. Soundings showed that large holes had been washed in the river bed at the piers in the channel, and these will be filled with stone to save the piers from damage.

BRAINERD, MINN.—We are officially informed that contract for building a 60-ft. steel span bridge over Nokay, Sebic River, near Fort Ripley, was awarded to the SECURITY BRIDGE CO., of Minneapolis, Minn. Bids were received on Sept. 4.

SUPERIOR, WIS.—The Northern Pacific R. R., E. J. Pearson, Ch. Engr., St. Paul, Minn., may build a viaduct across its tracks at Belknap St.

POPPLE, MINN.—Bids are asked until Sept. 18 by the Board of Town Supervisors for $8,000 of road and bridge bonds. Francis Caldwell, Town Clk.

FORT DODGE, IOWA.—The Board of Supervisors may construct a bridge at Farley St.

TOPEKA, KAN.—The Chicago, Burlington & Quincy Ry. Co. is planning to build a new concrete steel bridge, 240 ft. long, to carry two tracks over Salt Creek. C. H. Cartlidge is Bridge Engr., at Chicago.

HELENA, MONT.—The County Commissioners have been petitioned to construct a bridge across Prickley Pear Creek, to be 1,500 ft. long and to cost about $15,000.

HUNTLEY, MONT.—Plans and bids for construction of a bridge over the Yellowstone River at Huntley have been received by the County Commissioners as follows: Canton Bridge Co., Canton, Ohio, $33,840; Hennepin Bridge Co., Minneapolis, $33,840; Minneapolis Bridge & Iron Co., $34,800; Fargo Bridge & Iron Co., Fargo, N. Dak., $34,900; Continental Bridge Co., Chicago, $34,998; Missouri Valley Bridge Co., Leavenworth, Kan., $34,800; Midland Bridge Co., Kansas City, Mo., $35,000; Hewitt Bridge Co., Minneapolis, $35,897; A. Y. Bayne & Co., Minneapolis, $37,987; Minneapolis Steel & Machine Co., Minneapolis, $43,000; Security Bridge Co., Minneapolis, submitted four plans and bids, the latter ranging from $33,580 to $35,800. Eight propositions were offered by the Standard Construction Co., of Portland, Ore., the bids being from $26,000 to $31,800. The bridge under consideration is to be a steel structure, 610 ft. in length, with an approach at one end. Bonds in the sum of $35,000 for its construction were authorized by the electors of the county several months ago.

KANSAS CITY, MO.—Plans are stated to have been prepared for a bridge to be constructed over Missouri River at Walnut St. for the Kansas City, St. Joseph and Excelsior Springs Ry. Co. Estimated cost of structure is about $790,000.

SILOAM SPRINGS, ARK.—Contracts have been awarded to the MISSOURI VALLEY BRIDGE & IRON CO., of Leavenworth, Kan., for a $5,075 bridge across the Spavinaw, and a $4,500 bridge across Sager Creek, in this city.

AUSTIN, TEX.—It is contemplated to construct a bridge across the Colorado River, at Austin. It will be constructed to accommodate street railway tracks.

SOUTH McALESTER, IND. T.—The city and county will erect a bridge over Coal Creek, at a cost of $35,000.

EVERETT, WASH.—Bids are asked until Sept 24 for the construction of a steel bridge over the Snohomish River, at an estimated cost of $68,000.

SAN FRANCISCO, CAL.—The Western Pacific Ry. Co. has awarded a contract for 15 steel bridges. The AMERICAN BRIDGE CO. was the successful bidder. Work will be started immediately, and it will require more than a year to place the bridges.

OAKLAND, CAL.—The construction of a steel span bridge, with concrete foundation, on the Arroyo de Laguna road, in Valle Vista school district, has been authorized by the Board of County Supervisors, and the chairman ordered to enter into a contract with COTTON BROS., of Oakland. The condition of the bridge is such that the work must be done at once. The steel structure will cost $8,350, and the excavation and concrete work will cost $3 per cu. yd. It is to be completed within six months. The Board also directed that the County Surveyor prepare plans for a concrete bridge on Leona Creek at Second St., in Brooklyn township.

GUALALA, CAL.—The Board of Supervisors has awarded the contract for the repair and reconstruction of the joint bridge across the Gualala River at Gualala to J. C. HALLIDAY, at $10,500.

PRINCE ALBERT, SASK.—A by-law will be submitted to the rate-payers to grant $25,000 towards the cost of a combined highway and railroad bridge to be built over the Saskatchewan River by the Canadian Northern Ry. Co.

BUILDINGS.

The names of parties awarded contracts are printed in capital letters.

DOVER, N. H.—Hartwell, Richardson & Driver, Archs., have prepared plans for a new Masonic hall, to cost $80,000.

MALDEN, MASS.—Bids will soon be asked for the erection of the new Malden High School. The buildings will cost $200,000. Plans and specifications may be seen at the office of the Inspector of Bldgs., F. G. Cooper, in the Malden City Hall. Cooper & Bailey, 60 Congress St., Boston, Mass., Archs.

ALBANY, N. Y.—Sub-contracts are soon to be let by Collins Bros., who were awarded the contract to erect the clubhouse for the German Hall Association, on Beaver St., at a cost of $110,000.

The following bids were received by D. W. Cahill, Supt. of Pub. Bldgs., for installing a new system of plumbing in the Capitol building. Bids were received on three propositions; first, for finishing and installing entire work; second, for finishing and installing entire work, exclusive of laying the larger storm water drain; third, to replace two of the large storm water drains with drains of larger pipes: Richard T. Ford Co., Rochester, (1st) $22,712, (2d) $11,876, (3d) $10,836; Joseph Nicklas, Albany, (1st) $29,389, (2d) $20,495, (3d) $9,407; Charles E. Walsh, Albany, (1st) $51,370, (2d) $28,400, (3d) $22,970.

NEW YORK, N. Y.—Bids are asked until 10 a. m., Sept 25, by Thomas Darlington, M. D., Pres. Bd. of Health, for the construction of a measles pavilion on the grounds of the Kingston Ave. Hospital, Kingston Ave. and Fenmore St., Boro. of Brooklyn.

NEW YORK, N. Y.—It is reported that the Bowling Green Storage & Van Co. is to build a warehouse on 65th St., near West End Ave. It is to be a 6-story reinforced concrete building, 50 × 115 ft. Estimated cost, $100,000. Wm. B. Tubby & Son, 81 Fulton St., are Archs.

James Knox Taylor, Superv. Arch. of the Treasury, Washington, D. C., will soon call for bids on a hospital building, to cost $250,000, to be located at the Immigration station on Ellis Island for the Department of Commerce and Labor.

Plans have been filed with the Building Department for a school building to be erected by the Talmud Torah Congregation. It is to be a 4-story brick and stone building. Bernstein & Bernstein, 24 East 23d St., are Archs.

SACKET HARBOR, N. Y.—Bids are asked, until 11 a. m., Oct. 2, by the Constructing Quartermaster, Madison Barracks, N. Y., for the construction of a set of commanding officer's quarters at this post. (Advertised, Engineering News.

WHITESTONE, N. Y.—A new post-office is to be erected here. The contract has been awarded to HERMAN MARX. The building is to be located on 18th St.

ATLANTIC CITY, N. J.—Bids are asked until 11 a. m. Sept. 25, for construction and installation of steel cells in the addition to Atlantic County Jail, at Mays Landing. F. Fraley Doughty, Chn. Public Bldgs. Comn. (Advertised, Engineering News.)

ATLANTIC CITY, N. J.—ROYDHOUSE, AREY & CO., Fidelity Bldg., Philadelphia, Pa., have been awarded the contract for erecting the new Hotel Traymore. Noted in issue of Aug. 23.

ERIE, PA.—The contract for the new Hotel Jerome has been awarded to HENRY SHENK CO., of this city. It is to be of steel and brick. Estimated cost, $200,000.

PHILADELPHIA, PA.—The contract for the erection of a 3-story brick and stone residence has been awarded to JACOB MYERS & SONS, Witherspoon Bldg. George Bispham Page, Harrison Bldg., is Arch. Estimated cost, $90,000.

A large abbatoir will be erected in West Philadelphia for McCandless, Reining & Co., from plans by C. B. Comstock, Arch., Pittsburg, Pa. The building will be a 4-story structure, brick, terra cotta and concrete, 180 × 220 ft. It will be erected at 30th and Market Sts., extending to Ludlow St., and will be equipped with the latest improvements and appliances. The cost will be about $500,000.

Director Potter, of the Department of Public Safety, has completed the plans for the new combination police and fire station at Fourth St. and Snyder Ave. The structure is to cost $75,000.

McKEESPORT, PA.—The Select Council has authorized the submission to a vote of the people at the fall election the question of the issuance of $100,000 of bonds for the erection of a city hall.

COATESVILLE, PA.—The contract for erecting the building for the Coatesville National Bank has been awarded to W. A. R. THOMPSON. It is to be a 4-story building, 60 × 200 ft. Watson & Huckel are Archs. Estimated cost, $75,000.

ARLINGTON (Baltimore post-office), MD.—Simonson & Pietsch, Archs., American Bldg., Baltimore, will prepare plans for car barns to be erected here, and also at Baltimore and Waverly, for the United Railways & Electric Co. The buildings will be constructed of concrete and brick, at a cost of $300,000.

BALTIMORE, MD.—The St. Joseph's House of Industry has awarded the contract for erecting a school at Charles and 28th Sts. to JAMES J. O'CONNOR, 5 Lloyd St. It is to be a 3-story brick, stone, iron and steel building, 150 × 150 ft. Estimated cost, $175,000. Tormey & Leach, 323 North Charles St., are Archs.

Dr. F. G. Moyer, 1500 Eutaw Pl., will erect a 4-story sanitarium at 1500 Eutaw Pl. J. Edward Laferty, 11 East Pleasant St., is Arch.

WASHINGTON, D. C.—An administration building will be erected at 16th and P Sts. by the Carnegie Institution. Estimated cost, $200,000. Robert S. Woodward, Bond Bldg., is Pres.

The contract has been awarded to F. S. CARMODY CONSTRUCTION CO., 1415 G St., N. W., Washington, for the construction of an apartment house at New Hampshire Ave. and M St., N. W. The building will be brick and stone, three stories high. Geo. S. Cooper, 1413 G St., N. W., is Arch.

Plans have been prepared by Elliot Woods, Supt. Capitol Bldgs., for a Supreme Court House to be erected on the square between the Congressional Library and the office building of the Senate. Estimated cost, $3,500,000.

WASHINGTON, D. C.—Bids are asked by Capt. John Stephan Sewell, Engrs., until 2 p. m., Oct. 23, for erecting a mess hall and dormitory building at the United States Soldiers' Home at Washington, D. C. (Advertised, Engineering News.)

SEWELLS POINT, VA.—Bids are asked until noon, Sept. 18, at the office of Parker & Thomas, 1109 Union Trust Bldg., Baltimore, Md., for erecting the Maryland Building at the Jamestown Exposition.

CHARLESTON, W. VA.—It is reported that Harding & Upman, Archs., 1316 G St., N. W., have been commissioned to prepare plans for a 10-story office building to be erected for C. W. Alderson, at a cost of $150,000.

RALEIGH, N. C.—Plans have been completed for the Masonic Temple to be erected here. It is to be a 7-story building. Estimated cost, $100,000.

TUSCALOOSA, ALA.—R. C. McCalla and surveyors are surveying the government site for the Federal building which is to be erected here at a cost of $150,000.

NEW ORLEANS, LA.—It is reported that a $150,000 building is to be erected for Loyola College. B. A. Oxnard is Pres. of the Marquette Association, which is considering the project.

Toledano & Wogan, Archs., 121 Carondelet St., are preparing plans for the proposed hotel to be erected by the La Baronne Hotel Realty Co., 708 Union St. It is to be a 9-story brick, concrete and steel building, 57 × 200 ft. Lawrence Fabacher is Pres. Estimated cost, $65,000.

Bids will shortly be asked for court-house to be erected jointly by the city and state, for which plans by P. Thornton Marye, F. W. and A. T. Brown, Associate Archs., Atlanta, Ga., have been adopted by the commission. The plans provide for a modern fireproof building, four stories high, of white glazed terra cotta. About $1,000,000 will be expended for site and building.

MEMPHIS, TENN.—The contract for an apartment house, to cost $200,000, has been awarded to M. T. LEWMAN & CO., 515 Fourth St., Louisville, Ky. L. M. Weathers, Cotton Exchange Bldg., is Arch.

CHATTANOOGA, TENN.—An appropriation of $110,000 has been made for an addition to the custom-house here.

CINCINNATI, OHIO.—Plans have been prepared by Elzner & Anderson, Archs., 136 Ingalls Bldg., for a school building for the Board of Education, at a cost of $180,000.

E. H. Dornette, Arch., 56 Pickering Bldg., has prepared plans for a school building to be erected here at a cost of $130,000.

DAYTON, O.—The board of trustees of the Montgomery County Memorial Association contemplates erecting a memorial hall, to cost $250,000. Charles Winchet, South Canal St., is a member of the board.

TOLEDO, OHIO.—Bids are asked until 3 p. m., Oct. 2, for complete construction of temporary extension to U. S. post-office and court-house. James Knox Taylor, Supervis. Arch., Treasury Dept., Washington, D. C. (Advertised, Engineering News.)

ANDERSON, IND.—The Indiana Union Traction Co. has let contract to H. L. Duncan, Arch., 441 Union Block, for the plans for a large machine shop and car houses. The main shop building will be 80 × 480 ft. and two stories high. One wing of the main building will be 324 × 80 ft. The building will be of steel, brick and cement and as near as possible fireproof. It is also proposed to erect a car house 350 ft. long and 80 ft. wide. All of the new buildings will be erected in the vicinity of the power house in North Anderson. The estimated cost of the new buildings is $100,000. Bids will be invited as soon as plans are completed. H. A. Nicholl is Gen. Mgr.

CHICAGO, ILL.—The following bids were received by the Bureau of Navigation, Navy Dept., Washington, D. C., for the construction of officers' quarters at the new naval training station on the Great Lakes: J. M. Graves, Waukegan, Ill., item 1 $24,500; W. J. Turner & Co., 167 Dearborn St., Chicago, item 1 $17,719, item 2 $69,449, item 3 $172,741; H. E. Overstreet, 711 Marquette Bldg., Chicago, item 1 $14,000, item 2 $54,000, item 3 $130,000; Geo. E. Swift & Co., Security Bldg., Chicago, item 1 $17,008, item 2 $67,540, item 3 $168,000; Meiling & Walther, 84 La Salle St., Chicago, item 1 $18,260, item 2 $71,190, item 3 $177,950. The total appropriation is $250,000.

It is reported that Fairbanks, Morse & Co. will erect a building at Hubbard Court and Wabash Ave. Estimated cost, $100,000.

It is also reported that the negro Knights of Pythias will erect a temple here, at a cost of $100,000.

ST. LOUIS, MO.—Plans have been prepared by the Masonic Sanitarium Association for the erection of its proposed sanitarium. It is to be a 5-story building, 64 × 104 ft., of fireproof construction. Estimated cost, $100,000. William Sessinghaus is Pres.

The Kingman Implement Co. is to erect a warehouse at 2600-2606 North Broadway. It is to be a 6-story brick building, 80 × 150 ft. Plans were prepared by A. B. Groves, Arch., 314 North Fourth St. The contract has been awarded to WM. M. SUTHERLAND, Odd Fellows' Bldg.

LITTLE ROCK, ARK.—The contract has been awarded to the WESTINGHOUSE-CHURCH-KERR CO., of New York, for construction of the foundations for the proposed $300,000 union depot for Little Rock. Theo. C. Link, Arch., Carleton Bldg., St. Louis, Mo., prepared the plans and specifications for the building. Contract for the superstructure will not be awarded for some weeks.

HOUSTON, TEX.—It has been reported that Sanguinet & Staats, Archs., Fort Worth, Tex., are preparing plans for the $140,000 Y. M. C. A. building for Houston.

COLORADO SPRINGS, COLO.—James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., is revising plans for the post-office and government building at Colorado Springs, Colo., and readvertisement will be made for bids in a short time. The building will cost approximately $150,000, and will be of brick and stone and is to be of fireproof construction.

WALLA WALLA, WASH.—T. M. Hanger & Co., of Dayton, composed of T. M. Hanger, of that city, and H. G. Thompson, general salesman for Marshall Field, will erect a large department store here. It is to be a 4-story building. Estimated cost, $75,000.

SAN DIEGO, CAL.—A high school building is to be erected here, at a cost of $130,000.

LOS ANGELES, CAL.—Plans for the Y. M. C. A. building have been completed by Arthur B. Benton, Arch., 114 North Spring St. Estimated cost, $35,000. It is to be located on Hope St., between Seventh and Eighth Streets.

James Lankershim is to erect a building at Main and Fourth Sts. It is to be a 6-story reinforced concrete building. Estimated cost, $350,000.

The county will vote on the issuance of $1,000,000 of bonds for public improvements, which is to include construction of a number of buildings.

SAN FRANCISCO, CAL.—N. W. Halsey & Co. will erect at 412-414 California St. a 4-story reinforced concrete building of fire and earthquake proof construction. It is to be 45 × 124 ft. S. H. Woodruff is Arch.

The Society of California Pioneers will erect a headquarters building at Fourth and Jessie Sts. The present board of directors consists of W. W. Hobart, Pres.; H. L. Byrne, 3711 Clay St.; S. M. Collins, 900 Broaderick St.; A. R. Cotton, Parrot Bldg.; J. M. Burnett, 420 California St.; Titus Hale, J. Luchsinger, H. Phelps and R. Russ. Estimated cost of building, $150,000.

Plans have been prepared by Salfield & Kohlberg, Archs., 339 Kearney St., for the erection of a 7-story steel building, to be erected for the Rosenbaum Estate at California and Front Sts. Estimated cost, $100,000.

The Royal Insurance Co. of Liverpool, England, will erect an office building on Sansome St.

The contracts for reconstructing the interior of the Crocker Bldg. has been awarded to MAHONEY BROS., at $40,000; interior of the Shreve Bldg., at $200,000, and of the Mutual Savings Bank Bldg., at $125,000.

SAN FRANCISCO, CAL.—Hale Bros. will erect a 6-story department store building on Market St., at a cost of $250,000.

The interior of the Grant Bldg. will be repaired, at a cost of $75,000.

William Helberg and J. S. Steiner will erect a building at a cost of $90,000 at Market, Fell and Polk Sts.

The San Francisco Arcade Block Co. will erect a store and office building on Fillmore St., near Eddy St., at a cost of $75,000.

Mrs. Gertrude S. Bowers, of Redlands, will erect an office building at California and Battery Sts. It is to be a 10-story Class A building, 89 × 103 ft. Estimated cost, $350,000.

OAKLAND, CAL.—The Porter Lodge of the Odd Fellows will erect a building at Grove and 19th Sts. It is to be a 9-story Class A building. Cost, $250,000. Samuel Zimmer, 578 East 22d St., is Arch.

SANTA ROSA, CAL.—Plans are being prepared by Howard & Galloway, Archs., for the new Santa Rosa Bank, to be erected on Exchange Ave. It is to be a 4-story concrete and steel building, of fireproof construction. Estimated cost, $100,000.

SALT LAKE CITY, UTAH.—The contract for erecting the building of the Utah Saving & Trust Co., on Main St., between Second and Third South Sts., has been awarded to A. & J. McDONALD, for $90,355. It is to be a 7-story reinforced concrete building.

LACHINE, QUE.—The Sisters of St. Anne will erect a convent here, at a cost of $500,000.

BANFF, ALTA.—Bids will be received about Oct. 1 by the Canadian Pacific Ry. Co. for a wing to be built to the company's hotel at Banff. Estimated cost, $300,000.

WATER SUPPLY—IRRIGATION.

The names of parties awarded contracts are printed in capital letters.

NORTH CHELMSFORD, MASS.—The Water Commissioners have awarded contract to C. R. GOW, of Boston, for laying pipe, etc., in connection with new system, at $6,752.

BRISTOL, CONN.—The Bristol Water Co. has let a contract to P. H. CONDON & CO., of this city, to lay about 2,000 ft. of water mains this fall, at a cost of $4,000.

TROY, N. Y.—Plans are reported as being prepared by Edwin L. Grimes, Ch. Engr. of the Water Dept., and assistants, for improvements to the Tomhannock water supply system.

NEW YORK, N. Y.—Bids are asked until 2 p. m., Sept. 19, by William B. Ellison, Comr. Water Supply, Gas & Electricity for (1) furnishing and delivering wrought iron pipe, pipe fittings, gate valves and well strainers; (2) for furnishing and delivering cast-iron stop-cock boxes and covers, as follows: Section 1, 352,000 lbs. of castings, section 2, 352,000 lbs. of castings; (3) for unloading, hauling, storing and trimming the semi-bituminous coal required for the Milburn pumping station; (4) for furnishing and delivering cast-iron pipe and special castings. All in Borough of Brooklyn.

CORNING, N. Y.—As advertised, bids were opened at Corning, on Sept. 5. The Board of Water Commissioners selected two Nash gas engines, manufactured by the NATIONAL METER CO., New York; a gas producer manufactured by R. D. WOOD & CO., Philadelphia; and two 2,000,000 gallon triplex power pumps manufactured by RUMSEY & CO., Seneca Falls, N. Y. The contract for installing the plant complete was awarded to the BELTING & MACHINERY ..., of Rochester, at $20,725. J. F. Wilt... Engr.

BUFFALO, N. Y.—We are informed that bids were received by Henry L. Lyon, Deputy W... constructing new valve syste... station, as follows: A. P. S... Newark, N. J., for either elec... draulically operated valves, $... Valve Co., Boston, Mass., ... operated valves, $181,171; Cof... for electrically operated valv... pass and inside screw type, $... Erie Engineering Works, hydr... ated valves, $181,500; Lake E... ing Works, electrically ope... $190,500. Bids were also recei... Rensselaer Mfg. Co., Troy, N. ... valves alone, not including any ... or construction, at prices ranging ... 850 to $143,100, the prices diff... construction and manner of ope... bid is informal, and does not in... comply with the specifications.

Bids were received, as follows, ... by Henry L. Lyon, Deputy W... for constructing an intake pier, ... and filtration shaft in Lake E... near the foot of Porter Ave., and ... the Front Ave. pumping station, ... about two miles long connecting ... shafts, canals and pump well and ... stack for the new pumping statio... foot of Porter Ave., a dock along ... front, from Porter Ave. to Jersey ... and a landing crib at the intake pier, ... neer's estimate; (b) Buffalo Dre... (c) C. C. Barr; (d) Great Lakes ... Dock; (e) F. V. E. Bardol; ... Franklin & Stabell: Canals, pump... etc., (a) $187,956, (b) $138,167, (c) ... (d) $146,654, (e) $184,852, (f) $... the dock, (a) $53,449, (b) $41,403, (c) ... $40,504, (e) $42,022, (f) $84,376; the intake pier, (a) $123,633, (b) $150,144 (c) ... (d) $156,500, (e) $171,724, (f) $21... the inlet shaft, (a) $10,809, (b) $20,134, (c) $22,924, (d) $21,985, (e) $20,728, (f) $19,145; the landing crib, (a) $4,104, (b) $4,832, (c) $3,413, (d) $3,165, (e) $4,328, (f) $6,772; the Porter Ave shaft, (a) $26,088, (b) $21,472, (c) $21,344, (d) $22,810, (e) $34,550, (f) $35,270; the Front Ave. shaft, (a) $8,206, (b) $10,234, (c) $11,822, (d) $11,974, (e) $12,531, (f) $18,644; the filtration shaft, (a) $31,462, (b) $35,316, (c) $30,805, (d) $34,307, (e) $41,621, (f) $45,845; the tunnels, (a) $866,595, (b) $843,459, (c) $936,426, (d) $972,828, (e) $1,102,350, (f) $1,256,800; total, (a) $1,312,282, (b) $1,272,764, (c) $1,382,528, (d) $1,410,728, (e) $1,614,706, (f) $1,977,066. If filtration shaft is located outside of Bird Island Pier, add to the above bids, as follows: Buffalo Dredging Co., $8,000; C. C. Barr—No price given; Great Lakes Dredge & Dock Co.—No price given; F. V. E. Bardol, $2,000; Miller, Franklin & Stabell, $10,000.

COHOES, N. Y.—Bids are asked until 8 p. m., Oct. 1, for furnishing f. o. b. at Cohoes, one triplex water-power driven pump of 4,000,000 gallons capacity each 24 hours when working against a pressure of 80 lbs. a sq. in. Henry L. Shaver, Pres. Bd. Water Comrs. (Advertised, Engineering News.)

BERGEN, N. Y.—Bids were received, as follows, on Aug. 27 by the Board of Water Commissioners for water-works construction as advertised in Engineering News on Aug. 23: Warsaw-Wilkinson Co., Warsaw, for water tower complete, including foundation and grading, $4,275; Edward K. Patten, Utica, for laying pipe, 8-in., 29 cts. a lin. ft., 6-in., 25 cts., and 4-in., 21 cts.; Bailey, Johnson & Saunders, Inc., Buffalo, for furnishing all material, except pumps and the pumping station and doing all work, except that required for building the pumping station and installing the pumps, $16,338. Should Geo. S. Pierson, Engr., approve, the last bid will be accepted.

NEW YORK, N. Y.—Bids are asked until 2 p. m., Sept. 26, by William B. Ellison, Comr. Water Supply, Gas and Electricity, for hauling and laying water mains in Tiebout Ave. and in 180th St.

MANASSAS, VA.—See under Light and Power plants.

EDINBURG, VA.—Bids are asked until noon, Oct. 2, by W. A. Wrenn, Chn., for constructing a gravity system of water-works. (Advertised, Engineering News.)

BALTIMORE, MD.—Albert H. Wehr, Treas. of the Baltimore County Water & Electric Co., has filed an application with the Highways Commision for a permit covering their proposed extension of water mains from Catonsville to Hamilton. The line as at present contemplated will pass through Franklintown, Wetheredsville, West Forest Park, Gwynn Oak, West Arlington, Belmore Park, Mount Washington, Govanstown and Hamilton, and will provide an additional water supply for Towson and Lutherville. The contracts for this work have been let and the work will begin as soon as the permit is granted. It is expected that the entire extension will be completed by Jan. 1, 1907, if the company succeeds in getting to work without further delay. For other proposed work see items in issues of Aug. 23 and Sept. 6.

ASHLAND, VA.—The Ashland Gas, Sewer & Water Co., recently incorporated, will build plant to include water towers, gas-house, engine-houses, etc., all of brick; buildings and equipment to cost $75,000; W. E. Sexton, 1920 Market St., Philadelphia, Pa., Engr.-in-Charge; J. D. Harris, 6068 Greenway Ave., Philadelphia, is Arch. and Gen. Mgr. and J. F. Howison is Pres.

MURPHY, N. C.—Citizens have voted to issue $40,000 of bonds for water-works.

ASHEVILLE, N. C.—The FANAGHER ENGINEERING CO., of Cleveland, Ohio, has been given the contract, at $44,462, for building 5,000,000-gallon reservoir, advertised in Engineering News on Aug. 2.

MARIETTA, GA.—City will probably order an election to vote on issuing $50,000 of bonds for water-works.

POPLARVILLE, MISS.—The town has let contract for its water-works system to the ORLEANS ENGINEERING CO., of New Orleans. The CHICAGO BRIDGE & IRON CO. secured contract for the tower and tank; PLATT IRON WORKS for pumps and air compressor; and the FAIRBANKS CO. the hydrants, valves and valve boxes; the U. S. IRON PIPE CO., having secured contract for the pipe.

McEWEN, TENN.—The Council is reported to have decided to construct a new reservoir.

HENDERSON, KY.—The Board of Water Commissioners has decided to replace old water-works with new one to cost $7,000. William Sieber is Supt. of W.-W.

WAUSEON, OHIO.—Bids are asked until noon, Sept. 17, for furnishing one water pumping engine, capacity 1,000,000 gallons every 24 hours; one 150-HP. boiler of the horizontal tubular type; one natural gas engine, convertible to suction producer gas engine, 150-HP.; one duplex power pump; also one air compressor for water lift, 12 × 14½ × 12; and three Harris air pumps. E. H. Harris, Secy. Bd. Trustees.

CINCINNATI, OHIO.—Bids are asked until noon, Sept. 28, for laying cast-iron pipe and special castings and valves in several streets. Aug. Herman, Pres. Bd. Trustees, Comrs. Water-works.

BYRNEVILLE, IND.—The town board will soon ask for bids for the reconstruction of the old water-works at this place. The stone pipes laid in 1853 are still in good condition.

DARLINGTON, IND.—The Darlington Water-Works Co. has incorporated, capitalized at $27,000, to construct and equip a water-works system and to furnish water to Darlington. Bids will be received soon. John Peterson, A. H. Bowers, F. W. Campbell and J. C. Hunt are directors.

MOUNT PLEASANT, MICH.—The city of Mount Pleasant will submit a proposition to the voters to bond for water-works improvements consisting of one 1,500,000-gallon pump engine, flume, steel pit, pentstock, new fireproof pump house, 1,500,000-gallon reservoir and new suction and force mains. The Riggs & Sherman Co., Toledo, Ohio, are Engrs.

HUBBELL, MICH.—Donald M. Scott, of Laurium, is preparing plans for water-works for Hubbell, to cost about $20,000.

CHICAGO, ILL.—Bids are asked until Sept. 20 by William L. O'Connell, Comr. Dept. Pub. Wks., for furnishing material and constructing a water pipe tunnel about 1,600 ft. long, including two shafts, under the south branch of the Chicago River, Illinois and Michigan Canal, and canal feeder on South Ashland Ave.

WAPELLO, IOWA.—Ora Vaught, Pres. Electric Light & Power Co., states that bids probably will be received late this fall for the construction of water-works, to cost from $12,000 to $15,000. Noted on Aug. 16.

ST. PAUL, MINN.—Contract for $300,000-gallon tank and trestle, in connection with addition to pump house at Fort Snelling, has been let to the CHICAGO BRIDGE & IRON WORKS, Chicago, at $18,950. Proposals for pump house addition, boiler feed-water heater and stack have been rejected and will be re-advertised.

BEATRICE, NEB.—Dr. Floyd Davis, of Des Moines, Iowa, is reported to be preparing plans for improving the water-works.

ELM CREEK, NEB.—Bonds to the amount of $10,000 are reported to have been voted for water-works.

BUTTE, MONT.—The Montana Reservoir & Irrigation Co. is reported incorporated to construct and operate reservoirs and ditches for the reclamation of large areas of arid land in Madison, Meagher, Lewis and Clark, Gallatin and Cascade Counties, in Montana. Incorporators: Andrew J. Davis, W. A. Clark, Jr., Henry Mueller and others, all of Butte. Capital, $1,500,000.

BIGTIMBER, MONT.—Bids will be received by the town of Bigtimber, Mont., until Oct. 22, 6 p. m., for the sale of $40,000 worth of water bonds.

KANSAS CITY, MO.—See under Sewers.

SHELBINA, MO.—This place has voted to build water-works and sewerage. W. T. McDaniel is City Clerk.

MORRILLTON, ARK.—J. C. WILSON, of St. Louis, Mo., is reported to have secured the contract for constructing water-works for the Morrillton Water Co. Noted on Aug. 23.

OZAN, ARK.—A water-works system may be installed here.

OSCEOLA, ARK.—The city having sold its water-works bonds, amounting to $20,000, it will proceed to arrange for the construction of the proposed plant.

PINE BLUFF, ARK.—The Pine Bluff Light & Water Co. is arranging to make extensive improvements to its water plant, increasing the capacity. It is proposed to install a new water pump which will have a capacity of 5,000,000 gallons of water daily, increasing the pumping capacity from 4,000,000 to 9,000,000 gallons daily. The construction of a storage reservoir with a capacity of 1,500,000 gallons is also being considered.

BRYAN, TEX.—We are officially advised that Louis G. Hester, of Houston, has prepared plans and has submitted a report on water-works to local company, but that no contracts have yet been let. Noted last week.

PERRY, OKLA.—F. F. Busch, City Clerk, states that the construction of water-works has been postponed indefinitely.

COALGATE, IND. T.—The Town has voted an issuance of bonds to the amount of $71,000 for water-works and school buildings.

PLATTEVILLE, COLO.—Frank J. MacCarthy, Engr., 608 Majestic Bldg., Denver, is promoting a plan to build a reservoir which will cover 24 sq. miles of land and have an average depth of 35 ft., using the entire amount of water which flows during the flood season in the Platte River. It has been estimated that 38,115,000,000 ft. of water is wasted yearly in the Platte River, which water, if properly diverted and used on lands adjoining, would irrigate 1,000,000 acres of land. According to Mr. MacCarthy, it will be ten years before the present plans are perfected. Mr. MacCarthy estimates that the completion of the reservoir and building of the dam will cost in the neighborhood of $4,000,000. Work may commence about Oct. 1. The site of the reservoir is located four miles north of Platteville; 13,000 acres of land will be purchased as a reservoir site. The dam to be built will cost $1,500,000.

CRESTON, WASH.—We are officially informed that an election will be held at an early date here to ratify sale of bonds for proposed water-works system for this town. Estimated cost, $7,000. W. J. Roberts, Pullman, Wash., is Design. Engr.; F. A. Duncan is Mayor.

WENATCHEE, WASH.—See under Miscellaneous Contracts.

POMONA, CAL.—H. M. Corlette and A. H. Koebig, C. E., Heilman Bldg., Los Angeles, have been in this city recently with regard to establishing a competing domestic water system. They say that the idea is received with favor.

OAKLAND, CAL.—F. C. Turner, City Engr., has been directed by the City Council to prepare plans and estimates for a salt water plant at or near the Grove St. wharf, with water mains extending thence on Third and Fifth Sts. and from Adeline to Oak St., for the special protection of factories, warehouses, etc., on the southern water front. The plant will be used for street sprinkling purposes and for fire protection. Estimated cost, $50,000 to $70,000.

CARMAN, MAN.—Bids are asked until Sept. 21 for steel water tank of structural steel, on 90 ft. steel superstructure, with capacity of 60,000 imperial gallons. Cecil Goddard, Roslyn Road, Winnipeg, is Engr.

MOOSE JAW, SASK.—Bids are asked until Sept. 17 for everything necessary for a complete water-works plant, eight miles southwest of the city, including a reinforced steel concrete reservoir, gravity plant 11,980 lin. ft. 12-in. wood stave water main; 29,915 ft. of 10-in.; 650 ft. 15-in. tile gallery and valves and fittings. John D. Simpson is Secy.-Treas., Moose Jaw. Estimated cost, $90,000. Noted last week.

OSHAWA, ONT.—An entirely new water-works plant will be installed in this town, for which bids will be asked soon. The supply will be taken from Lake Ontario, two miles distant. Estimated cost, $20,000. Willis Chipman, 103 Bay St., Toronto, is Des. Engr.; Thomas Morris is Town Clk.

SEWERAGE.

The names of parties awarded contracts are printed in capital letters.

MILFORD, MASS.—The contracts have been awarded for the sewer system to be constructed here. The contract for laying the pipe has been awarded to J. E. BURNS & CO., of Boston, for $29,526, and the contract for putting in the disposal plant to BRUNO, SALOMONE & PETTITI, of Boston, for $35,272.

NEW YORK, N. Y.—Bids are asked until 11 a. m., Sept. 19, by Bird S. Coler, Pres. Boro. of Brooklyn, for constructing various sewers in the Boro. of Brooklyn.

NEW YORK, N. Y.—Bids are asked until 11 a. m., Sept. 19, for constructing sewers in several streets. Bird S. Coler, Pres. Boro. Brooklyn.

PLAINFIELD, N. J.—Bids are asked until 8 p. m., Oct. 1, by James T. MacMurray, City Clk., for constructing sanitary sewers; also for constructing storm sewers. Plans and specifications may be seen at office of the Engineering News. (Advertised, Engineering News.)

READING, PA.—The contract for the construction of an intercepting sewer on North Eleventh St., from Greenwich to Oley St., has been awarded by the Board of Public Works to L. H. FOCHT & SON, for $9,091.

BALTIMORE, MD.—Bids are asked until Sept. 19, by the Board of Awards of Baltimore City for constructing storm water drains. Harry F. Hooper, City Registrar.

WASHINGTON, D. C.—Bids are asked until noon, Oct. 2, by the Commissioners of District of Columbia for constructing sewers. (Advertised, Engineering News.)

FAYETTEVILLE, N. C.—Bids are asked until noon, Oct. 3, by W. N. Tillinghast, Clk. of Pub. Wks. Comn., for constructing a sewage system in this city. (Advertised, Engineering News.)

LAKE CITY, S. C.—Bids are asked by the Commissioners of Public Works until noon, Sept. 20, for the installation of a system of storm water sewers. M. D. Nesmith is Chn. Pub. Wks. Comn.

LOUISVILLE, KY.—The city will vote in November on a $4,000,000 bond issue for the construction of its proposed sewerage system. I. B. F. Bruce, Room 503, Equitable Bldg., is Engr. in Charge. P. L. Atherton is Chn. and Charles P. Weiner Secy. Sewerage Commission,, 505 Equitable Bldg.

BELLEVILLE, KY.—The contract for constructing a sewer system in the city has been awarded to J. B. McLANE & CO., at $61,941.

CINCINNATI, OHIO.—The citizens of Elmwood Place contemplate the erection of a reduction plant, at a cost of $90,000. Plans are being prepared by Henry Tozzer, an Engr.

ST. MARYS, OHIO.—Bids are asked by H. W. Stearns, Clk. Bd. of Pub. Service, until noon, Oct. 3, for constructing a sanitary sewerage system. (Advertised, Engineering News.)

TOLEDO, OHIO.—Mike Sullivan was the lowest bidder on the proposed $35,000 sewer system. The sewer is to be 1¼ miles long, with a diameter ranging from 55 to 24 inches.

BRIGHTWOOD (Indianapolis post-office), IND.—Plans are being prepared by Charles A. Broom, Asst. City Engr., for a big sewer to be constructed here. Estimated cost, $180,000.

GRAND RAPIDS, MICH.—Bids are asked until 2 p. m., Sept. 14, by Jas. E. Keegan, Pres. Bd. of Pub. Wks., for the construction of a sewer in Monroe St. and East Fulton St., from Division to Barclay St.

JACKSON, MICH.—E. J. Tobin & Co. were the lowest bidders for the construction of the third ward sewer. Their bid was $8,142.

NORMAL, ILL.—PATRICK McDONALD has been awarded the contract for putting in pipe line sewers on School, Willow and Locust Sts., Fell Ave. and a 24-in. line following the creek bed from Fell Ave., just south of Hovey, to Franklin Ave. The amount of the several lines is $6,674.

PEORIA, ILL.—Plans for a big sewer, to be constructed in North Peoria, are almost completed. The estimated cost is $250,000. D. H. Roberts is Asst. City Engr.

ROCKFORD, ILL.—Bids are asked until 11 a. m. Sept 18, at the office of the president of the Board of Local Improvements for constructing various sewers in this city. Edwin Main is City Engr. (Advertised, Engineering News.)

HALLOCK, MINN.—A sewer system is to be constructed here at a cost of $10,000.

SALINA, KAN.—The contract for the construction of various sewers has been awarded to the SALINA CONSTRUCTION CO.

OMAHA, NEB.—The following bids were received by Andrew Rosewater, City Engr., for the construction of South Omaha Relief sewer: J. B. Katz, $40,040; Chas. Thompson, $74,211; R. L. Kenny & Co., $68,075; J. O. Corby, $72,001, and Jas. Jensen, $72,385. The bids were rejected and new bids will be called for Oct. 2.

DEVILS LAKE, N. DAK.—The contract for constructing the sewer system has been awarded by the city council to JAMES KENNEDY. The estimated cost is $14,000.

KANSAS CITY, MO.—The American Light and Water Co., 103 New England Bldg., is ready to sublet contracts for the construction of a sewer 16 miles in length and a water-works pipe line 30 miles in length, and one water pipe line six miles in length. (Advertised, Engineering News.)

LITTLE ROCK, ARK.—The sewer system here is to be rebuilt at a cost of $100,000. A new sanitary sewer system is also to be constructed at a cost of $450,000, making total estimated cost of sewer work $550,000. E. A. Kingsley is City Engr.

BEAUMONT, TEX.—See under Streets and Roads.

MEDFORD, ORE.—Bids are asked by Benj. N. Callins, City Recorder, until 4 p. m., Sept. 15, for the construction of six lateral sewers in sewer district No. 5.

PORTLAND, ORE.—Bids are asked until Sept. 23, for constructing a storm sewer in improvement district No. 17. Estimated cost, $34,000.

SUSANVILLE, CAL.—Bids are asked until 8 p. m., Sept. 22, by F. V. Wood, Town Clk., for the complete construction of sewers and sewage disposal.

SAN FRANCISCO, CAL.—See under Streets and Roads.

CALDWELL, IDAHO.—The sewer committee has awarded the contract to THOMAS FINNEGAN, of Boise, for $9,700, for sewer work.

DARTMOUTH, N. S.—The city of Dartmouth will extend the water and sewerage system of the town.

STREETS AND ROADS.

The names of parties awarded contracts are printed in capital letters.

PITTSFIELD, MASS.—DANIEL HAMMOND, of Dalton, has been awarded the contract for the extension of Bartlett Ave. About $7,500 will be spent by Frank Russell & Co. on the work.

NEW LONDON, CONN.—Bids are asked until noon, Sept. 14, by Lieut. R. W. Collins, Constructing Q. M., for laying 1,750 linear feet of macadamized road at Fort Trumbull.

MANCHESTER, CONN.—The contract for constructing a macadam road from East Hartford line to Love Lane has been awarded, by the State Highway Commission, to the B. D. PIERCE CONSTRUCTION CO., of Bridgeport, Conn.

EAST HARTFORD, CONN.—The contract for the construction of 1,500 ft. of macadam road in this town has been awarded, by James H. McDonald, Highway Commissioner, to THOMAS KEARNEY, of Meriden.

ALBANY, N. Y.—Bids are asked by the Board of Contract and Supply, until Sept. 17, for improvement of Western Ave., Teunis St. and South Lansing St. Western Ave. is to be paved with macadam, and Teunis and South Lansing Sts. with vitrified paving blocks. Walter A. Mellus is City Engr.; Isidore A. Wachsman is Clk of the Bd.

AMITYVILLE, N. Y.—Bids are asked until 8 p. m., Sept. 24, by W. B. Inglee, Village Clk., for paving. (Advertised, Engineering News.)

NEW YORK, N. Y.—Bids are asked until 2 p. m., Sept. 26, by William B. Ellison, Comr. of Water Supply, Gas and Electricity, for sidewalks and curbing and resetting natural stone curbing.

Bids are asked by John F. Ahearn, Pres. of the Boro. of Manhattan, until 3 p. m., Sept. 18, for paving various streets.

Bids are asked by the Park Board at the office of the Department of Parks until 3 p. m., Sept. 20, for paving the semi-circle at the entrance to Central Park at 60th St. and Central Park West. Moses Herrman is Pres. of the Bd.

BRIDGETON, N. J.—The contract for the paving of Water St. with asphalt blocks has been awarded to JOHN T. DYER, of Norristown, Pa.

HOHOKUS, N. J.—Bids are asked until Sept. 15 for a stone road in the township of Hohokus, County of Bergen. Plans and specifications can be examined at the office of the State Commission of Public Roads. Richard Waumaker, Mohawk, N. J., Township, Engr.; Charles F. Schneider, Clk.

UNION HILL (Weehawken post-office), N. J.—The Board of Council has awarded to GALLAGHER & DEVLIN, of Guttenberg, the contract to improve Humboldt St. from Bergenline Ave. to the Hudson Blvd. Estimated cost, $8,000.

HARRISBURG, PA.—Bids have been opened by the State Highway Commission for constructing a road in Penn Township, York County. John R. Bittinger, of Bittinger, was the lowest bidder, at $20,139.

BALTIMORE, MD.—The Board of Awards have let the following contracts for paving: Gough St., between Patterson Park Ave. and Broadway, and Ostend St. from Hanover to Light St., to the FILBERT PAVING & CONSTRUCTION CO., for sheet asphalt, at its bid of $36,474; North Ave., between Mount Royal Ave. and Druid Hill Ave., to the MARYLAND PAVEMENT CO., for aspha't blocks, at its bid of $42,914; Madison St., between Charles St. and Calvert St., Riverside Ave., from Randall to Hamburg St., and Park Ave., between McMechen and Laurens St., to WARREN BROS., for bitulithic, at their bid of $37,983. Bids were opened Aug. 29.

BALTIMORE, MD.—Board of Awards, City Hall, has approved specifications of the Commissioners for Opening Streets for paving Oak St. from 24th to 25th Sts., and 27th St. from Oak to Calvert Sts. Specifications for Oak St. call for sheet asphalt, asphalt blocks and bitulithic, and for 27th St. bitulithic, sheet asphalt, asphalt blocks and vitrified bricks. E. Clay Timanus is Pres.

WASHINGTON, D. C.—Bids are asked until noon, Sept. 22, by District Commissioners for laying 5,000 sq. yds. of asphalt binder and surface on Canal St., S. W., and other streets. (Advertised, Engineering News.)

WASHINGTON, D. C.—Bids were opened Sept. 7, at the office of the Commissioners of the District of Columbia, for grading and improving Connecticut Ave. west of Rock Creek. The specifications involved (a) 65,000 cu. yds. of grading; (b) 2,500 sq. yds. macadam, removed and replaced; 1,200 sq. yds. cobble gutters, removed and replaced. Bids were as follows: E. G. Gummel, Eckington, (a) 50 cts. per cu. yd., (b) $1.25 per sq. yd., (c) 55 cts. per sq. yd.; G. B. Mullin, 612 F St., N. W., Washington, (a) 37 cts., (b) 94 cts., (c) 34 cts.

The following bids were received by Capt. Spencer Crosby, Corps of Engrs., for construction of paving, etc., on approaches to highway bridge across the Potomac River: Totals, (a) with granite curb, (b) with concrete curb, (c) with bluestone curb. For Washington approach, RUDOLPH S. BLOME CO., Chicago (awarded contracts), (b) $25,013; Brennan Construction Co., Washington, (a) $36,301, (b) $34,833; Cranford Paving Co., (a) $37,992, (b) $36,408. For Virginia approach, the RUDOLPH S. BLOME CO., (b) $19,963; Brennan Construction Co., (a) $32,100, (b) $31,750, (c) $32,900; L. R. Colbert and Michael McNamara, Washington, (a) $36,984, (b) $35,374; Cranford Paving Co., (a) $32,022, (b) $30,918, (c) $32,022.

PETERSBURG, VA.—The City will issue 6,000 of 4% bonds for paving, repaving and otherwise improving the streets.

ROANOKE, VA.—Bids are asked until noon, Sept. 17, by W. E. Thomas, City Clk., for constructing various brick sidewalks in this city.

NORFOLK, VA.—The Joint Finance Committee of the City Council has recommended an appropriation of $32,000 for additional paving work. T. W. Brooke is City Engr.

McMECHEN, W. VA.—Arrangements have been completed for grading and paving Seventh St., about 1,500 sq. yds. Bids for the work will be received until Sept. 15. Harry McElroy is Recorder.

ATLANTA, GA.—Street Committee will receive bids at once for paving Peachtree St., Broad St., from Marietta to Peachtree St., and Capitol Sq., and bids are asked for both asphalt and bitulithic pavement. R. M. Clayton is City Engr.

JACKSONVILLE, FLA.—Bids are asked until Oct. 1, by the Board of Public Works, for grading, curbing and paving with vitrified brick or blocks certain streets in this city. Philip Priolean is City Engr.

EGMONT, FLA.—Bids are asked until 7 p. m., Oct. 1, by Lieut. R. H. Jordan, Constr. Q. M., Fort Dade, Fla., for the construction of brick roads and concrete walks at this post.

JACKSONVILLE, FLA.—Bids are asked until 3 p. m., Oct. 1, by the Board of Public Works for paving with macadam certain street's in this city. Philip Priolean is City Engr.

VICKSBURG, MISS.—The following bids were received and opened on Sept. 3, for paving Washington St: Memphis Asphalt Paving Co., Purington Block, $75,024; Monroe & Sons, Portsmouth, Ohio, Block, $74,985; Southern Paving & Construction Co., Southern Clay Mfg. Co. Block, $67,567; Southern Bitulithic Co., bitulithic pavement, $67,438. The contract was awarded to the SOUTHERN PAVING & CONSTRUCTION CO., of Chattanooga, Tenn., for vitrified brick.

ATHENS, TENN.—Reported that McMinn County has voted $200,000 of bonds for road improvements.

CLINTON, TENN.—Bids are asked until 1 p. m., Oct. 1, by J. K. P. Wallace, Chn. County Pike Comn., for constructing 13⁹/₁₀ miles of pike road from Clinton to Braceville.

HENDERSON, KY.—Bids are asked by S. D. Barns, Mayor, until 4 p. m., Sept. 18, for artificial stone pavement on the north side of Fifth St., from Adams to Alvasia St.

LOUISVILLE, KY.—The AMERICAN STANDARD ASPHALT CO. has been awarded the contract for constructing asphalt pavement on Olive St., between Dumesnil St. and Woodland Ave., and on Bayly Ave., from Frankfort to Field Ave., at $15,000.

HENDERSON, KY.—City will hold an election in November to vote on issuing $175,000 of bonds for road improvements.

PADUCAH, KY.—MEMPHIS (Tenn.) ASPHALT & PAVING CO. has contract, at $33,870.03, for street and sidewalk improvements.

CLEVELAND, OHIO.—Bids are asked at the office of the Secretary of the Board of Public Service, No. 105, City Hall, until noon, Sept. 19, for paving with Medina stone and improving Winslow Ave., N. W., from Riverbed Ave., N. W., to Erie R. R. Bridge.

CINCINNATI, OHIO.—J. M. O'Connor was the lowest bidder for the improvement with macadam of Erie Ave., from Edwards Rd. to Madisonville Ave. His bid was $11,467.

SHELBYVILLE, IND.—The Commissioners of Shelby County have awarded contract for construction of the Howe, Waldron, Vandalia and Edinburg gravel roads to AVERY, HAMMOND & HOWARD, of Waldron, Ind., at $42,000.

BEDFORD, IND.—Bids are asked until 1 p. m., Oct. 2, by the Commissioners of Lawrence County, for construction of the following roads: In Marion Township, Road No. 1, Bedford and Orangeville Rd., 31,792 ft.; (No. 2) Hamers Mill and Salem Rd., 7,573 ft.; (No. 3) Bedford and Salem Rd., 2,628 ft.; (No. 4) Hamers Mill and Orleans Rd., 16,398 ft.; (No. 5) Liberty Church Rd., 10,686 ft. Spice Valley Township (No. 1), Mitchell and Bryantsville Rd., 5,575 ft.; (No. 2) Huron and Bryantsville Rd., 5,280 ft.; (No. 3) Huron and Martin County Line Rd., 3,533 ft.; (No. 4) Georgia and Orangeville Rd., 3,960 ft.; (No. 5), Tinsley Bridge and Conerley Rd., 3,960 ft. Bids will be received separately and on all in each township together. Walter G. Owens is County Audr.

EVANSVILLE, IND.—Bids are asked until 10 a. m., Sept. 20, by the Board of Free Turnpike Directors of Vanderburg County, for the construction and repair of a rock road in District No. 1, in Pigeon Township. Harry Stinson is Clk.

LA PORTE, IND.—The County Commissioners have awarded the contracts for the construction of the Fitch and Snyder macadam roads. The Snyder road contract was awarded to W. B. HUTCHINSON for $9,177, and for the Fitch road to JACOB ACKERMAN, for $10,456.

TERRE HAUTE, IND.—Bids are asked until 11 a. m., Sept. 29, by the Commissioners of Vigo County, for the improvement by grading and graveling the Tiffin Rd., 13,100 ft., in Sugar Creek Township. Jerome W. Denehie is County Audr.

CHICAGO, ILL.—Contracts for paving Market St., from Randolf to Washington St., with granite brick, has been awarded at a cost of $15,279, to the R. F. CONWAY CO., and Halsted St., from Archer Ave. to 39th St., has been awarded to the STANDARD PAVING CO., for $100,796.

MATTOON, ILL.—Bids are asked until Sept. 18, for paving Cottage Ave. with brick and concrete. C. L. James is City Engr.

BELOIT, WIS.—A. E. RUTLEDGE, of Rockford, Ill., has been awarded the contract for paving various streets in this city, at $27,602.

CHIPPEWA FALLS, WIS.—Bids are asked until 2 p. m., Sept. 24, by the Board of Public Works, for macadamizing Bay and Cedar Sts.

FOND DU LAC, WIS.—Bids are asked until 2 p. m., Sept. 26, for paving in this city. G. H. Stanchfield, F. A. Bartlett and J. J. Ratz are members of the Board of Public Works.

DES MOINES, IOWA.—Bids are asked until 11 a. m., Sept. 21, and also 11 a. m., on Sept. 22, by W. W. Wise and J. W. Campbell, Bd. of Pub. Wks., for paving various streets in this city.

CHEYENNE, WYO.—Bids are asked by V. K. Hart, Q. M., until 11:30 a. m., Sept. 20, for the construction of concrete sidewalks and stone road crossings at Fort D. A. Russell, Wyo.

ST. LOUIS, MO.—An issue of $500,000 of bonds will be made for the improvement of Kingshighway.

ARGENTA, ARK.—The City has granted petitions for the organization of paving and sewer districts, and the work contemplated will probably entail the expenditure of $125,000 for paving and $35,000 for sewers.

TEXARKANA, ARK.—Bids are asked until Sept. 20, by the Commissioners of Improvement District No. 6, improving 1⅛ miles of streets in this city. F. W. Mullins is Chn. of the Bd. of Comrs.

BEAUMONT, TEX.—An election is called for Sept. 27 by the City for the purpose of voting a further bond issue as follows: Sewerage, $75,000; paving, $25,000. E. A. Fletcher is Mayor.

LOS ANGELES, CAL.—The Board of Public Works has awarded the contract for paving San Pedro St., from Fifth to Jefferson St., to the BARBER ASPHALT PAVING CO., of 880 Ellicot Sq., Buffalo, N. Y., for $94,942.

SAN FRANCISCO, CAL.—Plans and specifications have been prepared and bids will soon be received for the following bond issue work: Pavements, Market St., Second St. to East St., $100,000; Market St., Twelfth St. to Valencia St., $32,500; Fourth St., Freelin St. to Channel St., $53,000. Sewers, Market St., Second St. to East St., $100,000; East Portiero, south section, $100,000; East Portiero, north section, $110,000; North Beach District, $75,000. Thos. P. Woodward is City Engr.

SALT LAKE CITY, UTAH.—Bids are asked until 11 a. m., Sept. 17, by the Board of Public Works, for laying stone block cross-walks. F. J. Leonard is Chn.

OTTAWA, ONT.—It is announced that the city of Ottawa is going into the asphalt business on its own account. In a few days the civil engineer will be instructed to prepare plans and estimates of the equipment necessary, and there is a very strong probability that next year any paving that is done will be by the city itself. If there is money in it for contractors the corporation itself can do it as well as they and save the profit to the taxpayers. Every year there is trouble about delays in repairing o'd pavements which need constant looking after. The work has to be done by contractors. The corporation builds its own sidewalks, drains and sewers, constructs its roadways and lays its own tar for macadam. It is now intended to go further and establish an asphalt plant so as to do asphalting as well. A site has been purchased.

COLBOURG, ONT.—Bids are asked until Sept. 17, by D. H. Miniken, Town Clk., for laying $10,000 superficial feet of sidewalks.

ST. BONIFACE, MAN.—Bids are asked by Theo. Bertrand, City Treas., until Sept. 20, for paving Provencher Ave. with asphalt block. Estimate cost, $30,000.

WINNIPEG, MAN.—The City will pave, with asphalt, Logan Ave., between Ellen and Nena Sts., at a cost of about $45,000. Col. N. H. Ruttan is City Engr.; C. H. Brown is City Clk.

READERS' WANTS FOR THOSE IN THE MARKET The readers of ENGINEERING NEWS are constantly in the market for great quantities of machinery, tools and general supplies. While our thousand advertisers are usually able to furnish the material desired, yet there are many things wanted by our readers that are not advertised, although connected with engineering and contracting directly or indirectly. This department (R-W) is for this class of inquiries, and we urge our readers to keep us informed. Enclose five cents in stamps and we write to a number of leading manufacturers without further cost. When writing to our advertisers, who are the leaders in their respective lines, mention Engineering News. Have you a copy of our Buyers' Guide? Engineering News Can Help Buyers.

TRANSIT.—Altus, Okla.—We are informed that Jarboe & Fox, Altus, Okla., are in the market for a transit.

LEVEL AND TRANSIT.—New York, N. Y.—W. W. Livermore, 344 Fourth Ave., New York, informs us that he desires to purchase a level and a transit.

REINFORCED CONCRETE CATALOGUES.—M. Asakura, Ch. Engr., Taiwan Imperial Railway, Taipeh, Formosa, desires catalogues concerning reinforced concrete.

STARCH MACHINERY.—Sunbury, Pa.—The Fisher Manufacturing Co., Sunbury, Pa., writes us that it is in the market for machinery for manufacturing starch.

CATALOGUES.—San Francisco, Cal.—Cotton Bros. & Company, 821 Monadnock Bldg., San Francisco, Cal., desire catalogues on contractors' supplies and equipments.

MACHINERY.—Chicago, Ill.—F. H. Gregory, 1218 Ashland Block, Chicago, Ill., writes us that he is in the market for machinery for treating, cleaning and combing bark and leaf fibers.

HYDRAULIC RAMS, HOT AIR ENGINES.—St. Joseph, Mo.—L. C. Parker, Box 693, St. Joseph, Mo., writes us that he is in the market for hydraulic rams and hot air engines.

CATTLE GUARDS.—San Jose, Cal.—T. S. Hewerdine, Ch. Engr., San Jose & Santa Clara Railroad Company, San Jose, Cal., informs us that he desires to purchase cattle guards.

TRACTION ENGINES.—Montgomery, Ala.—J. T. Bullen, County Engr., Montgomery, Ala., informs us that he is in the market for traction engines, 15, 20 and 25-HP., for hauling gravel for road construction.

TAPPING MACHINE.—Monterey, Mex.—We are in receipt of a letter from George Sydney Binckley, Ch. Engr., Monterey Water-Works and Sewer Company, Monterey, N. L. Mexico, in which he states he desires to communicate with manufacturers of a tapping machine and sleeve for making large dry pipe connections. He desires to make 6-in. connections on 6 and 12-in. mains, under pressure.

MANUFACTURING PLANTS.

The names of parties awarded contracts are printed in capital letters.

TORRINGTON, CONN.—The contract for constructing a new 50 × 140 ft. 3-story machine shop and 50 × 140 ft. 2-story blacksmith shop for Coe Brass Mfg. Co. has been awarded to the RANSOME & SMITH CO., of New York.

PLAINFIELD, CONN.—The Central Worsted Co. has been incorporated with a capital of $50,000 for the purpose of manufacturing and dealing in fabrics of all kinds. The incorporators are Charles Bragg, Charles E. Barber and Edward H. Lillibridge.

LOWELL, MASS.—The new mill of the Lowell Bunting Co. will be 250 × 70 ft., five stories high. WILLIAM H. FULLER will lay the foundation, and GEORGE H. STAPLES the brick work and the carpenter work will be done by the corporation workmen.

NEW YORK, N. Y.—Bids are asked, until 10 a. m., Sept. 18, by the Board of Health, Dept. of Health, for the construction of a refrigerating plant at the Willard Parker Hospital, foot of East 16th St., Boro. of Manhattan. Thomas Darlington is Pres.

Bids are asked by William B. Ellison, Comr. of Water Supply, Gas and Electricity, until 2 p. m., Sept. 26, for the construction of a machine workshop and office on Logan St., Boro. of Brooklyn.

CAMDEN, N. J.—The Chris. J. Sutphin Knitting Co. has been incorporated with a capital of $150,000. Incorporators are Howard C. Walton, M. W. Darnell and W. S. Darnell.

SOUTH BETHLEHEM, PA.—Plans have been prepared by H. G. Gray & Son, Engrs., New York, for the erection of a $1,000,000 open hearth steel plant for the Bethlehem Steel Co.

ALLENTOWN, PA.—WM. H. GAUGERVERE, Allentown National Bank Bldg., has been awarded the contract for an addition to Ludig-Leuweller Brewing Co.'s plant. It is to be a 3-story brick and steel building.

LANCASTER, PA.—The Henry J. Miller Brick Machine Co. will erect a new foundry for its casting and molding departments. It is to be a 1-story, 80 × 240 ft. building. Foundry equipment will be required.

PHILADELPHIA, PA.—Plans have been prepared by Milligan & Webber, Archs., 520 Walnut St., and bids will be received for the construction of an 8-story stone and steel fireproof factory building, 30 × 180 ft., to be located on Arch St.

Plans are being prepared for a 3-story box factory building at 482-484 North Fifth St. for Charles F. Datz, 422 North Orianna St. It will be of brick and slow burning construction.

The Philadelphia & Reading R. R. Co. has placed an order for heating and ventilating equipment for use in the additions to its making to its machine and boiler shops. The contract awarded to the BUFFALO FORGE CO. includes six immense fans, heaters, tempering coils, piping, etc. The heaters are arranged for use with atmospheric pressure steam in connection with the Warren Webster vacuum system. The fans are to be belt driven from electric motors, "silent-chains" having been tried on other fans and proved not satisfactory.

PHILADELPHIA, PA.—R. C. BALLINGER & CO., 218 North 13th St., has been awarded the contract for an addition to a factory at Columbia Ave. and American St., for the A. M. Collins Mfg. Co. It is to be a 3-story brick building, 50 × 210 ft. Estimated cost, $25,000.

WM. STEELE & SONS, 16th and Arch Sts., have received the contract for a factory at Bread and Lew Sts., for H. O. Wilbur & Sons. It is to be a 5-story reinforced concrete building, 25 × 125 ft. Power equipment and special machinery will be required.

CRAMP & CO., Commonwealth Bldg., have received the contract for a factory and store building at 914 Arch St. for A. Mershon. It is to be a 6-story brick, stone and concrete building, 50 × 105 ft.

BALTIMORE, MD.—A reinforced concrete factory, 55 × 175 ft., for Flick Brothers & Co. will be erected here. Guy King, 431 Walnut St., of Philadelphia, is preparing plans.

BLACKSBURG, VA.—The Blacksburg Power & Supply Co., Inc., will shortly begin building a four-ton ice and refrigerating plant, 700 to 1,000 light electric plant, etc. It is proposed to erect one 3-story building 29 × 54 ft., one 2-story building 17 × 25 ft., frame construction. Between $15,000 and $20,000 will be invested, it is said.

RICHMOND, VA.—E. K. Victor has purchased site on which to build tobacco factory at a cost of $25,000. He has contract to furnish tobacco to Austrian government.

NORFILK, VA.—George O. Kolb, of Philadelphia, Pa., will erect a bakery to have daily capacity of 30,000 loaves of bread. He has awarded contract to BOTTS-HAYDEN CO. for construction of the 3-story 60 × 100 ft. building, in which mechanical equipment, ovens, etc., will be installed. Stables, 35 × 35 ft., will also be erected.

CLARKSVILLE, VA.—The Mecklenburg Distilling Corporation has been incorporated. W. H. Gooch, Pres.; Crowder Richard Jones, Vice-Pres.; R. Y. Person, Secy. and Treas. Capital stock, $25,000.

ATLANTA, GA.—The Atlanta Steel Hoop Co. has begun construction work required for proposed extensive improvements to its plant. About $75,000 is to be expended. It is stated that a galvanizing equipment will be installed to enable the works to produce steel wire for electrical purposes, all sizes of commercial wire, barbed wire for fencing, etc.; also that a plant for manufacturing railroad spikes will be added to present work.

CONCORD, N. C.—James W. Cannon of the Cannon Manufacturing Co. will build two large cotton mills at Kannapalis, two miles from Glass. The plants will make yarns and cloth and will represent a cost of about $2,000,000.

WASHINGTON, N. C.—The Novelty White Brick Co. will erect plant for the manufacture of sand-lime bricks with capacity of 20,000 brick a day of ten hours. About $30,000 will be invested. Orders for machinery have been placed. E. S. Simmons is Pres.; C. H. Wallace, Secy.-Treas., and W. E. Jones, Vice-Pres. and Genl. Mgr.

WILSON, N. C.—Hadley, Harriss & Co. will expend $10,000 for additional facilities, mainly the erection of 50 × 100 ft. storage-house.

WINSTON-SALEM, N. C.—The Chatham Manufacturing Co., of Elkin, N. C., has received plans for the erection of its proposed new woolen mill, recently reported as to be established at Winston-Salem. Fine woolen blankets will be manufactured. Company's capital stock has been increased from $50,000 to $350,000 in this connection. The company has organized as follows: President, H. G. Chatham; First Vice-Pres., R. J. Reynolds; Second Vice-Pres.: G. T. Roth; Treas., R. M. Chatham; Secy., Mason Lillard. Lockwood, Green & Co., of Boston, are preparing plans for the big enterprise.

DUBLIN, GA.—A. and N. M. Block, of Macon, will improve their ice factory at this place at a cost of $20,000, increasing its capacity to 40 tons daily.

MONTGOMERY, ALA.—A ... tract for the erection of the new shops ... West Point and the Western of Alab... Railroad in Montgomery, which when ... ted will cost more than $200,000, has ... awarded to COOK & LAURIE, by Pres. ... C. A. Wickersham, of the railway com... Work on the structures will commen... once. The plant will be one of the ... and best equipped of its kind in the ...

GREENVILLE, MISS.—Th... Holley-Mathews Manufacturing Co., of ... ston, Mo., will erect saw mill and bo... tory here. About $40,000 will be expend... buildings and equipment; annual capac... cars box shooks. H. S. Hoen is Arch...

HATTIESBURG, MISS.—Th... on Manufacturing & Supply Co. has b... orporated with $200,000 capital stock ... F. Post, O. R. S. Pool and R. P. Ande... Site has been secured and buildings w... erected at once. It is proposed to m... ture saw mills complete, engines, boile... and other heavy machinery and supplies.

BROWNSVILLE, TENN.—A ... mill will be erected at this place by the ... in Lumber Co., of Henderson, Ky. ... will cost about $10,000.

LOUISVILLE, KY.—A $40,00... tion will be erected to the plant of the ... ican Tobacco Co.

A dry kiln to cost abut $1... will be erected here by the Kentucky ... Co.

CINCINNATI, OHIO.—The C... nati Ice Co. will build an ice storage w... house on its property at Budd and Harris ... for the storage of manufactured ice. E... ed cost, about $250,000.

ASHTABULA, OHIO.—The pl... of the McKinnon Iron Works which was recently destroyed by fire will be rebuilt at once. It will include a machine shop, 50 × 150 ft., on Columbus St., a blacksmith shop, 50 × 100 ft., and a 2-story office and warehou... 20 × 100 ft., at corner Bridge and Columbus Sts. Estimated cost, $75,000.

GRAND RAPIDS, MICH.—The erection of a 3-story factory building, 50 × ... ft., is contemplated by the Furniture City Glass Works, 116 Court St. William Thieleman, Jr., is Mgr.

CHICAGO, ILL.—Holabird & Roche, Archs., 100 Jackson Blvd., will prepare plans for a factory, to be erected at 248 Washington St., for Chapman & Smith. It is to be 6 stories high, 94 × 125 ft., built of brick and stone. Estimated cost, $120,000.

LA SALLE, ILL.—A fireproof factory building, 228 × 60 ft., will be erected here by the Western Clock Manufacturing Co. Victor A. Matteson, is Arch.

ST. LOUIS, MO.—The Evens & Howard Fire Brick Co. has acquired 200 acres of land in St. Louis County on which to establish fire-brick plant. About $250,000 will be invested, and equipment will be installed for increasing the present output.

Plans are being prepared by Gerhard J. Becker, Arch., 2904 Bailey Ave., for the erection of a $25,000 2-story factory, 50 x 80 ft., for Haefele & Morgner, 100 South Commercial St.

KANSAS CITY, MO.—A $30,000 plant will be constructed here by the Block-Horn Preserving Co.

JOPLIN, MO.—The Disbrow Mining Co., $50,000 capital stock, will build concentrating plant of 200 tons capacity daily for zinc-ore rock. Cost of buildings and equipment, $15,000. F. A. Wallower, is Eng.-in-Charge.

DALLAS, TEX.—The Harry Bros. Co., manufacturers of galvanized eaves, troughs, conductor pipes, well casings, etc., may arrange at once for the erection of additional factory building, expending about $25,000.

EL PASO, TEX.—The Atlas Brick Co. has been incorporated with $100,000 capital stock by A. Courchesne, S. H. Sutherland, F. B. Stuart and W. W. Turney.

EL RENO, OKLA.—The El Reno China Co., recently incorporated with a capital of $200,000, will erect a plant for the manufacture of semiporcelain and toilet ware. Plans are being prepared for a 2-story brick kiln pottery, 480 × 140 ft.

RINGWOOD, OKLA.—The Ringwood Mill & Elevator Co. will operate a 150-barrel flour mill and 100-bushel meal mill. It is proposed to erect three buildings, 74 × 32 ft., 12 × 14 ft. and 14 × 20 ft., respectively, three and four stories high. D. F. Alger is Pres. and Treas., and E. A. Wales, Mgr.

CLAREMONT, OKLA.—The N. S. Sherman Machine and Iron Works, of Oklahoma City, Okla., will build 50 × 100 ft. brick machine shop, structure and equipment to cost $7,000, in connection with $17,500 contract recently received for storm-sewer work. Machinery is wanted.

SEATTLE, WASH.—The San Juan Fishing Co. will erect a plant here at a cost of $100,000.

SPOKANE, WASH.—The Steel Safe Mfg. Co. will erect a plant here at a cost of $10,000 for the manufacture of safes and vaults. H. M. Reynolds is Resident Mgr.

PORTLAND, ORE.—J. H. ABREY has the contract for erecting a reinforced concrete warehouse and factory for W. G. McPherson at 19th and Roosevelt Sts. This building will be 100 × 100 ft. and two stories high.

LOS ANGELES, CAL.—Bishop & Co. will establish a large manufacturing plant at Eighth and Alameda Sts., at a cost of $1,000,000.

SAN FRANCISCO, CAL.—The Pacific Hardware & Steel Co. will erect a large steel mill in South San Francisco. Harry T. Scott is Pres. of the company.

MONCTON, N. B.—The contract for the erection of the shops and stores for the Intercolonial Ry. Co. has been awarded to E. A. WALBERG, C. E., of Montreal, for $100,000.

MISCELLANEOUS CONTRACTS.

The names of parties awarded contracts are printed in capital letters.

PIER.—Port Maitland, Ont.—The CONROY CO., of Peterboro, Ont., has obtained the contract for constructing a new pier at Port Maitland, Ont.

DRAINAGE.—Fort Snelling, Minn.—Bids are asked until 11 a. m., Sept. 30, for constructing drainage ditches at Fort Snelling. H. B. Fiske, . M.

WHARF.—DREDGING.—Fort Hunt, Va.—All bids were rejected as excessive for timber wharf and dredging at Fort Hunt. List of bids was given on Aug. 23.

EMBANKMENT.—East St. Louis, Ill.—Bids are asked until noon, Sept. 15, for construction of an embankment of bluff clay. Silas Cook, Pres. Bd. Local Improvements.

DREDGING. — Ipswich, Mass. — P. J. O'RIORDAN of Charlestown, has been awarded contract for dredging three shoals or bars in Ipswich River at 29⁹/₁₀ cts. a cu. yd. Noted on Aug. 23.

DOCK, ETC.—San Francisco, Cal.—Local press reports state that plans have been approved by the U. S. Government for a transport dock and supply stations to be erected at Fort Mason, to cost about $1,500,000.

MAIL CHUTES.—Chicago, Ill.—Bids are asked until 3 p. m., Sept. 25, for chutes under Dearborn St. mail boxes at U. S. postoffice, Chicago. James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C.

DITCH.—Hillview, Ill.—Bids are asked by Louis Lowenstein, Secy. Hillview Drainage and Levee Dist., until Sept. 21 for the construction of about 20 miles of open dredged ditches, and for a Portland cement concrete outlet sluice.

DITCHES.—Little Falls, Minn.—It is stated that bids will be received until Oct. 1 by the Board County Commissioners for constructing four ditches, three to five miles long each; probable cost, $18,000. W. A. Butler is County Audr.

SUBWAY.—Auburn, N. Y.—Bids are asked until 8 p. m., Sept. 18, for constructing subways in Genesee St. The approximate quantities are: 70,000 duct ft. of ducts; 18,000 lin. ft. 3-in. distribution pipe, manholes, etc. J. S. Hanlon, City Clk. (Advertised, Engineering News.)

DREDGING.—Boston, Mass. — Bids are asked until 11 a. m., Sept. 29, by the Bureau of Yards and Docks, Navy Dept., Washington, D. C., for dredging material from slips, Navy-Yard, Boston. Specifications are on file at the office of Engineering News, New York. Mordecai T. Endicott, Ch. Bureau.

AIR COMPRESSORS.—Charleston, S. C.—The Bureau of Yards and Docks, Navy Dept., Washington, D. C., will award contract for two air compressors and accessories for the navy-yard, Charleston, S. C., to the LAIDLAW-DUNN-GORDON CO., 114 Liberty St., New York, on their first bid on Item 3, $17,282.

DREDGING.—Boston, Mass.—Bids were received on Sept. 6 for dredging a channel and anchorage basin on the northerly side of Boston Harbor, near the wharf of the Cottage Park Yacht Club at Winthrop. Contract was awarded to the EASTERN DREDGING CO., 297 Atlantic Ave., Boston, at 227/10 cts. a cu. yd. Frank W. Hodgdon, Ch. Engr., Harbor and Land Comrs.

EXCAVATION, CONCRETE WALL, ETC.—Ithaca, N. Y.—Edward Hayes, Engr. Creek, Drainage and Park Comn., advises us that the contract for excavating, dredging and constructing concrete wall for Creek, Drainage and Park Commission, bids opened Aug. 30, has been awarded to McGREVY CONSTRUCTION CO., of Ithaca, for $102,536. Advertised in Engineering News on Aug. 16.

EMBANKMENT.—Boston, Mass. — Seven bids were received on Sept. 10 for building section 3 of the Boston marginal conduit, and section 1 of the Boston embankment. Hiram A. Miller, Ch. Engr., Charles River Basin Comn. The lowest bidders were Coleman Bros., Charlestown, Mass., at $232,700. The complete list of bids and itemized prices will be given next week under Contract Prices.

CANAL WORK.—Portland, Ore.—The Board of Consulting Engineers of the Reclamation Service which met on Sept. 1 at Portland, Ore., to open bids on the readvertisement for construction of storage works, Okanogan irrigation project, Wash., reports but one bid as received, that of Sweeney & Holmes, of Portland, Ore., at $120,440. The papers have been forwarded to the office of the Secretary of the Interior for action.

LEVEE.—New Orleans, La.—We are advised officially that bids were received as follows on Aug. 30 by Capt. J. F. McIndoe, Engrs., for constructing about 137,000 cu. yds. of new levee at Bougere: Donovan & Daly, Lake Providence, La., $58,225; R. T. Clark, Natchez, Miss., $49,320; M. L. Linnan, Wallace, La., $54,800. Lowest bid was considered excessive and all bids have been recommended to Chief of Engineers, U. S. Army, for rejection.

IRRIGATION CANAL.—Wenatchee, Wash.—We are officially advised that the Wenatchee Canal Co. will not let contracts until Oct. 1 for proposed irrigation canal in Wenatchee Valley. There will be about 50,000 cu. yds. of earth and 25,000 cu. yds. of rock to be excavated. Estimated cost, $200,000. Company will require 11,000 lin. ft. of 140-ft. continuous stave pipe, etc. H. W. Scott, Seattle, is Design. Engr. Marvin Chase is Mgr. of Co., at Wenatchee. Noted on Aug. 30.

DAM.—Middletown, Ohio.—Two bids were received by the Board of Public Works, at Columbus, for building a dam across the Great Miami River, two miles above Middletown. The bids were: W. H. Schott, of Chicago, $40,411; Acme Paving Co., of Columbus, $44,525. As part of these figures, the state is to furnish $11,025 in cement and lumber. We are officially advised that bids were rejected and that new bids will be asked. Charles E. Perkins is Ch. Engr. of Public Works.

CANAL WORK.—Williston, N. Dak.—The Board of Consulting Engineers of the Reclamation Service which recently met at Williston, N. Dak., to open bids for the construction of canals and structures for the Williston irrigation project, reports that only one bid was received, that of Henry C. De Laney, of Williston, N. Dak. The work involves the excavation of about 220,000 cu. yds. of earth, and furnishing labor and materials for various structures requiring about 40,000 ft. B. M. of lumber, and 1,000 cu. yds. of concrete. The bid of Mr. De Laney was in the sum of $81,807. Itemized prices will be given next week under Contract Prices.

FERRY STRUCTURES.—New York, N. Y.—Bids were received, as follows, on Sept. 7 by J. A. Bensel, Comr. Docks and Ferries, for removing old structures between Water St. and Canal St., Stapleton, Boro. of Richmond, and for building new ferry structures for the new Stapleton Ferry terminal, and for dredging: Wm. H. Jenks, 129 Pearl St., $234,818; Phoenix Construction & Supply Co., 41 Park Row, $200,897; Geo. B. Spearin, 17 Battery Pl., $200,985; Bernard Rolf, 39 Courtland St., $217,333.

CANAL WORK.—Mitchell, Neb.—The Secretary of the Interior has recalled and vacated Departmental award of contract of Aug. 8, to Maney Bros. & Co., of Oklahoma City, Okla., for the construction and completion of schedule 5 of earthwork for distributing system, North Platte irrigation project, Neb., and awarded the contract to the next lowest bidder, the DEADWOOD CONSTRUCTION CO., S. Dak., at $12,615. Maney Bros. & Co. refused to execute the contract after it was awarded to them.

FERRY BUILDINGS.—New York, N. Y.—Bids were received on Sept. 6 by J. A. Bensel, Comr. Docks, for removing old structures between 38th and 39th Sts., Boro. Brooklyn, and for building new ferry structures for 39th St. ferry terminal, and for dredging, as follows: P. Sanford Ross, Jersey City, N. J., $296,350; W. H. Jenks, 129 Pearl St., $278,350; Geo. B. Spearin, 17 Battery Pl., $257,902; Phoenix Const. & Supply Co., 41 Park Row, $257,929; B. Rolf, 39 Courtlandt St., $253,333; North Eastern Const. Co., 949 Broadway, $281,070; Lawler Bros. Const. Co., 21 Park Row, $371,825.

CANAL WORK.—Portland, Ore.—The Secretary of the Interior has executed a contract with the PUGET SOUND BRIDGE & DREDGING CO., of Seattle, Wash., for the construction and completion of the storage feed canal, Umatilla irrigation project, Ore. This canal is to be about 25 miles long, extending from the Umatilla River near Echo, Ore., to the proposed Cold Springs storage reservoir. Its construction calls for about 700,000 cu. yds. of earth excavation; about 6,000 cu. yds. of rock excavation; about 2,300 cu. yds. of concrete, and about 3,000 cu. yds. of riprap, and will cost the Government $161,388.50.

DREDGING.—New York, N. Y.—Bids are asked until noon, Oct. 11, for dredging in Passaic River, N. J. Col. W. R. Livermore, Engrs. (Advertised, Engineering News.)

CANAL WORK.—Billings, Mont.—The Secretary of the Interior has rejected the bid of the Billings Hardware Co., of Billings, Mont., for the construction of structures on Division 1, Garland Canal, Shoshone Irrigation Project, Wyo. The reason for this action is that the bid, which is for $56,396, is believed to be unreasonably high. The work consists of headgates, crossings, culverts, bridges, etc., and involves about 18,000 cu. yds. of grading, 1,800 cu. yds. of concrete, the placing of 127,000 lbs. of steel reinforcing bars, and other incidental work.

SUBWAY.—Louisville, Ky.—The Board of Public Works in the near future will ask for bids for construction of a subway in Oak St., between 13th and 15th Sts., to carry the traffic of Oak St. under the tracks of the Illinois Central Railroad. Length of subway and approaches will be 836 ft. with clear width of 55 ft. 2½ ins. between reinforced concrete retaining walls and abutments. Superstructure will be through girder to carry fifteen tracks. The street will contain a sidewalk 7 ft. wide, a driveway 28 ft. wide, and a double-track electric street railway 20 ft. 2½ ins. wide. Estimated cost is $90,000, which will be borne jointly by the city and the Illinois Central Railroad. J. P. Claybrook is City Engr.

DITCHES.—Martinton, Ill.—We are officially informed that the Commissioners of Martinton Drainage District No. 3 will let contract some time in November or December instead of in September for about 500,000 cu. yds. of work on the ditches in the district, about 300,000 cu. yds. of which will be dredge work and the balance scraper work. A. C. Morrison, Donovan, Ill., is Pres.; Benj. Jordan is Engr. Estimated cost, $80,000.

SEA WALL.—Philadelphia, Pa.—Bids were received, as follows, on Sept. 8 by the Bureau of Yards and Docks, Navy Dept., Washington, D. C., for constructing a sea wall near new dry dock, League Island Navy Yard, Mordecai T. Endicott, Ch. Bureau: The Scofield Co., 904 Pennsylvania Bldg., Philadelphia, (item 1) $56,950, (2) $54,950; The American Paving & Construction Co., 211 South Ninth St., Philadelphia, (item 2) $40,900; James H. Stitzer, Jr., 917 Commonwealth Bldg., Philadelphia, (item 1) $69,940, (2) $49,890; Latta & Terry Construction Co., 1319 Pennsylvania Bld., Philadelphia, (item 1) $58,000, (2) $55,500; Edward F. Fonder Co., 116 Land Title Bldg., Philadelphia, (item 1) $39,000; The Snare & Triest Co., 143 Liberty St., New York, N. Y., (item 1) $48,800.

CONTRACT PRICES.

[Where (*) precedes items under Contract Prices the work was advertised in Engineering News.]

DREDGING.—Detroit, Mich.—The bids in detail for dredging shoal No. 28 in Mud Lake, St. Marys River, Mich., for which bids were received on Aug. 17, were as follows. The bidders were: (1) Great Lakes Construction Co., Buffalo, N. Y.; (2) James Pryor, Houghton, Mich.; (3) Great Lakes Dredge & Dock Co., Chicago, Ill. The work is estimated at 64,500 cu. yds. full rate, 84,000 cu. yds. half rate. (1) 22½ cts. a cu. yd.; (2) 33⅓ cts.; (3) 34 cts.

*POWER AND PUMPING SYSTEM.—Williston, N. Dak.—Bids were received as follows by the U. S. Reclamation Service, on Aug. 14, for power and pumping system, Williston Project. The bidders were: (1) Camden Iron Works, Camden, N. J.; (2) Chas. C. Moore & Co., San Francisco, Cal.; (3) Westinghouse Electric & Mfg. Co., East Pittsburg, Pa.; (4) De Olier Engineering Co., Philadelphia, Pa.; (5) General Electric Co., Schenectady, N. Y.; (6) Joseph McWilliams & Co., Louisville, Ky.; (7) Gilbert Wilkes & Co., Denver, Colo.; (8) United Iron Works, Oakland, Cal.; (9) Hurley & Co., St. Paul, Minn.; (10) Platt Iron Works, Dayton, Ohio.

BIDS RECEIVED AUGUST 14, AT WILLISTON, N. DAK., FOR POWER AND PUMPING SYSTEM.

Schedule A—	(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
4 Water tube boilers			$30,400.00		$26,014.00			$23,000.00		$32,435.00	
2 Additional boilers			2,900.00		3,515.50		$2,500.00	1,850.00		4,567.00	
1 Forced draft outfit			11,000.00		Incl. in Item 1			1,244.00		1,244.00	
2 Duplex feed pumps			6,900.00		900.00			1,153.00		2,395.00	
1 Closed feed water heater			4,245.00		1,850.00			1,903.00		3,208.00	
Totals			$55,545.00		$32,279.50			$28,850.00		$43,848.00	
Schedule B—											
2 Direct-connected steam-driven centrifugal pumping units	$24,700.00		29,400.00		19,400.00				$26,200.00	18,615.00	$21,600.00
Alternate to Item 1 above, 1st unit	$13,800.00		$19,000.00		$12,400.00		5,800.00		$15,000.00	$9,358.00	$12,600.00
Alternate to Item 1 above, 2d unit	8,500.00		8,130.00		7,000.00				14,000.00	7,850.00	8,500.00
Totals	$22,300.00		$27,130.00		$19,400.00				$29,000.00	$17,208.00	$21,100.00
Schedule C—											
2 300-KW. steam turbine sets			35,000.00	$34,581.95	32,500.00	$32,078.00					
1 Motor-driven centrifugal circulating pump			2,830.00	1,106.55	1,585.00	1,517.00					
1 Engine-driven exciter			2,500.00	1,229.47	1,480.00	1,195.00					
1 Motor-driven exciter			970.00	616.65	1,450.00	725.00					
1 Switchboard			2,000.00	2,093.12	2,260.00	975.00					
3 25-KW. transformers			1,000.00	712.25	575.00	738.00					
3 200-KW. transformers			7,500.00	2,892.00	4,550.00	3,184.00					
5-ton, 26-ft. crane		(45')	1,450.00	782.00	960.00	830.00					
Totals			$53,250.00	$44,013.99	$45,360.00	$41,242.00					
Per foot for additional span				5.50	12.50	12.00	12.00				
Schedule D—	4,350.00		5,500.00		4,276.00				6,000.00		4,000.00
1 Motor-driven pumping unit, 20 cu. ft.	3,800.00		4,400.00		3,410.00				5,000.00		3,600.00
1 Motor-driven pumping unit, 15 cu. ft.	2,125.00		1,610.00		1,507.00				1,700.00		1,375.00
3 50 KW. transformers											
Totals	$10,275.00		$11,510.00		$9,193.00				$12,700.00		$8,975.00
Schedule E—											
2 Motor-driven pumping units, 30 cu. ft.	1,030.00		13,000.00		9,676.00				15,500.00		10,300.00
2 Additional pumping units, 30 cu. ft.	3,350.00		9,500.00		4,138.00		3,000.00		7,500.00		4,500.00
3 150-KW. Transformers	3,990.00		3,925.00		2,860.00				5,000.00		3,150.00
Totals	$17,640.00		$26,425.00		$16,674.00				$28,000.00		$22,450.00
Schedule F—											
3 Miles 22,000-volt transmission			4,560.00		4,630.00						
Schedule G— Quantity.		Unit.									
Excavation 1,200 cu. yds		.50	600.00								
Concrete, Class 1 490 cu. yds		20.00	9,800.00								
Concrete, Class 2 520 cu. yds		19.00	9,880.00								
Structural steel 26,400 lbs		.075	1,980.00								
Lumber, Class 1 18,900 ft. B. M		60.00	1,000.00								
Roofing, Class 1 100 squares		20.00	3,000.00								
Totals			$25,394.00								
Schedule H—											
Including schedules:			ABCDE		ABC		ABCDEF		BDE	AB	
Lump sum			171,500.00		95,180.00		108,900.00		58,000.00	70,671.00	
Including schedules:			ABDE		DE						
Lump sum			118,500.00		25,100.00						
Including schedules:			ABCDEFG		DEF						
Lump sum			201,000.00		29,100.00						
Including schedules:					ABCDEF						
Lump sum					24,000.00						
Including schedules:					BDE						
Lump sum					48,950.00						
Including schedules:					BDEF						
Lump sum					47,950.00						

STORM SEWER.—Denver, Colo.—One bid was received on Aug. 11 by the Board of Public Works, T. B. Hunter, Ch. Engr., for North Denver Storm Sewer Dist. No. 1. It was submitted by the COMMONWEALTH CONSTRUCTION CO., 408 Colorado Bldg., Denver, which was awarded the contract. In detail it was as follows:

Bids Received at Denver, Colo., on Aug. 11 for Storm Sewer.

325 lin. ft. 4′ × 6′ reinforced concrete sewer, per ft	$6.50
702 lin. ft. 4′ × 5′ reinforced concrete sewer, per ft.	6.00
11 lin. ft. 4′ × 5′ reinforced concrete sewer, under tracks, per ft.	15.50
20 lin. ft. 4′ 6″ brick in concrete sewer under tracks, per ft.	14.00
12 lin. ft. 4′ c.-i. pipe in concrete sewer under tracks, per ft.	21.00
25 lin. ft. 24″ vit. pipe in concrete sewer under tracks, per ft.	6.00
10 lin. ft. 21″ vit. pipe in concrete sewer under tracks, per ft.	5.80
1,139 lin. ft. 4′ 6″ circular 2-ring brick sewer, per ft.	4.80
985 lin. ft. 4′ 4″ circular 2-ring brick sewer, per ft.	4.70
863 lin. ft. 4′ 2″ circular 2-ring brick sewer, per ft.	4.60
506 lin. ft. 4′ 0″ circular 2-ring brick sewer, per ft.	4.35
3,827 lin. ft. 3′ 8″ circular 2-ring brick sewer, per ft.	3.80
1,213 lin. ft. 3′ 6″ circular 2-ring brick sewer, per ft.	3.65
1,768 lin. ft. 3′ 4″ circular 2-ring brick sewer, per ft.	3.50
7,482 lin. ft. 3′ 2″ circular 2-ring brick sewer, per ft.	3.40
3,557 lin. ft. 3′ 0″ circular 2-ring brick sewer, per ft.	3.35
773 lin. ft. 2′ 10″ circular 2-ring brick sewer, per ft.	2.90
3,470 lin. ft. 2′ 8″ circular 2-ring brick sewer, per ft.	2.80
2,670 lin. ft. 30″ vit. pipe sewer, per ft.	2.90
4,362 lin. ft. 27″ vit. pipe sewer, per ft.	2.30
6,437 lin. ft. 24″ vit. pipe sewer, per ft.	1.75
10,109 lin. ft. 21″ vit. pipe sewer, per ft.	1.50
18,944 lin. ft. 18″ vit. pipe sewer, per ft.	1.10
23,057 lin. ft. 15″ vit. pipe sewer, per ft.	.83
130 lin. ft. 12″ vit. pipe sewer, per ft.	.65
15,655 lin. ft. 10″ vit. pipe sewer, per ft.	.60
1,165 lin. ft. 8″ vit. pipe sewer, per ft.	.51
378 brick manholes, each	32.50
645 lin. ft. brick inlets, each	36.00
31 12″ slants, each	1.00
149 10″ slants, each	.85
6 12″ Y's on 30″ pipe, each	3.85
10 12″ Y's on 27″ pipe, each	2.90
14 12″ Y's on 24″ pipe, each	2.70
15 12″ Y's on 21″ pipe, each	2.25
24 12″ Y's on 18″ pipe, each	1.25
27 12″ Y's on 15″ pipe, each	1.10
13 10″ Y's on 30″ pipe, each	3.85
23 10″ Y's on 27″ pipe, each	2.90
33 10″ Y's on 24″ pipe, each	2.70
48 10″ Y's on 21″ pipe, each	2.25
90 10″ Y's on 18″ pipe, each	1.25
124 10″ Y's on 15″ pipe, each	1.10
35 6″ Y's on 8″ pipe, each	.35
1 ⅛ bend of 12″ pipe, each	1.00
452 ⅛ bend of 10″ pipe, each	.85
8 6″ house connections, each	25.00
68 cu. yds. concrete at outlets, per yd.	6.25
150 cu. yds. slag riprap, per yd.	2.50
200 cu. yds. grading, per yd.	.50
70 M. ft. lumber, per M.	25.00
112 sq. yds. sandstone block pavement (relay), per yd.	2.00
270 sq. yds. macadam pavement, per yd.	1.50
2,334 sq. yds. disintegrated granite pavement, per yd.	.00
Totals	$220,596

MEXICO.

The names of parties awarded contracts are printed in capital letters.

SCREW AND NUT FACTORY.—Mexico City.—Patrick John Nolan and Francisco S. Gallardo, of Mexico City, propose to invest $100,000 in the establishment of a factory in this city for all kinds of screws and nuts.

MUNICIPAL IMPROVEMENTS. — Vera Cruz.—The city of Vera Cruz is negotiating for the issue of $1,750,000 in bonds to meet the cost of improving the present city hall, constructing a new jail and erecting a modern market building.

WATER POWER.—Mexico City.—Jose de la Macorra, Mgr. of the San Rafael Paper Factory, near Mexico City, has applied for a concession to utilize 500 liters of water per second from the Tapotzotlan River to increase the present power of the factory.

HOTEL.—Tehuacan, Puebla.—Leo Fleishman & Co., of the City of Mexico, contemplate the erect on of a large hotel in Tehuacan, Puebla, in connection with the exploitation of the San Lorenzo mineral water. The estimated cost of the hotel is $200,000, gold.

WATER POWER.—Atlixco, Puebla.—Juan de Velasco and Carlos Bella have applied to the government for a concession to utilize 2,000 liters of water per second from San Baltasar or Cantarranas Rivers, in the district of Atlixco, State of Puebla, for motive power.

SEWERAGE AND WATER-WORKS.—Coatzacoalcos, Vera Cruz.—The Governor of the State of Vera Cruz has been authorized by the Legislature to issue bonds for a loan covering the cost of the projected sewerage and water-works for the port of Coatzacoalcos.

ELECTRIC LIGHT PLANT.—Mascota, Jalisco.—Carlos & Miguel Izquierd, of Mascota, Jal., have applied to the State Government for a concession to use a waterfall known as the Chorro del Embocadero, located 12 kilometers west of that town, to generate electric current for the lighting of Mascota.

SEWERAGE.—Mexico City.—Citizens of the Valle Gomez Colony, City of Mexico, have petitioned the Department of Public Works for the construction of proper sewerage for that section of the city. An engineer has been appointed to study the question, and the necessary improvement will probably be made.

IRRIGATION. — Tecoman, Colima. — The Campania Industrial del Paso del Rionis has been authorized by a recent amendment to its existing concession to construct such hydraulic works on the Armenia River, in the district of Aecoman, State of Colima, as may be necessary to utilize 3,000 liters of water per second for irrigation purposes. The works are to be established at a point called Las Penas, on the north side of the railway line from Colima to Manzanillo.

SAND-LIME BRICK PLANT.—Torreon, Coahuila.—Henry Scholfield, of Saltillo, Coahuila, patentee of the process for manufacturing sand-lime brick in Mexico, has been appointed by a company organized in Torreon, Coah., to take charge of the erection of a factory in the latter city, with a capacity of 34,000 brick daily. Street paving blocks will also be made. The company will operate under the name of the "Cia Manufactura de Ladrilco Arniscos, S. A." It is capitalized at $150,000.

ELECTRICAL MACHINERY.—Gomez Palacio, Durango.—The Cia. Industrial Jabonera soap factory, of Gomez Palacio, Durango, has contracted with the Westinghouse Electric & Mfg. Co., represented by G. & O. Braniff & Co., of Mexico City, for the installation of additional electrical machinery, consisting of a Westinghouse three-cylinder, vertical, single-acting gas engine, 19 × 22, of 215 HP.; a 200-HP., 125-volt, direct-current generator, with switchboard, etc.

RAILWAY.—Jalisco.—Pedro A. Gonzalez, of Mexico City, Engr. in charge of surveys for the proposed Mexican Pacific Ry., has completed the field work, and states construction will without doubt be commenced soon. The line will run from Jalisco, State of Chiapas, on the main line of the Pan-American, to Tuxtla, Capital of State, thence to San Juan Bautista, Capital of Tabasco, and to Campeche, Capital of State of same name, connecting with the United Railways of Yuacatan, and thus extend to Merida and Progresso. J. M. Neeland, of the City of Mexico, is primarily interested in the scheme.

HYDRO-ELECTRIC PLANT.—Guerrero.—A. B. Adams, an engineer, has applied to the government for authority to utilize 500,000 liters of water per second from the Balsas River in the State of Guerrero at a point near the terminus of the Cuernavaca division of the Mexican Central Ry. Mr. Adams states in his application that he desires to generate motive power, either hydraulic or electric, for service in his mines, called the La Pantera del Sur and La Porfia, situated near the river in the Bravos district and about three miles from the railway terminal station, and also to furnish power for other industrial uses. Mr. Adams states that ultimately he will furnish power to the City of Mexico.

RAILWAY TERMINALS.—Empalme, Sonora.—We are officially advised that the Cananea, Yaqui River & Pacific R. R. Co., an extension of the Harriman interests into Mexico, has about completed plans and specifications for its terminals to be located at Empalme, Sonora, Mexico, this point being located a short distance from the port of Guaymas. The terminals will include an up-to-date machine shop, erecting shop and roundhouse. It is proposed to install practically all motor-driven machinery, which will consist of from two to four planers, eight engine lathes, one engine wheel lathe and other necessary drills, trip hammers, etc. The company is now in the market for the complete equipment for these shops. The shop will be constructed with a view of handling from five to ten engines a day for light and heavy repairs. Chas. E. Walker, Sec., Treas. and Pur. Agt., Tucson, Ariz.

ELECTRIC RAILWAYS.—City of Mexico.—Immediately on the return of F. S. Pearson from Rio de Janeiro, where he is attending the conference of American Republics, the Mexican Light & Power Co. will take up the reorganization of the management of the Mexico City and Puebla street railway systems, and the construction of extensions to and improvement of both. The officers of the company will, in the future, be in the City of New York, and the management directed from there. It is stated that the construction of a number of extensions to the Mexico City system is being considered, and that suburban lines will be built to all points where business will justify. Additional equipment will be provided. The system in the City of Puebla will be changed from animal to electric traction, with numerous new city and suburban lines. It is not expected actual work will be commenced for some months.

FILLING-IN LAGOON.—Tampico.—Samuel Garcia Cuellar, Engr., 51 Hotel del Jardin, Mexico City, writes us as follows: "I have a concession from the Mexican Government to fill some grounds occupied now by a lagoon near the port of Tampico. I enclose you a blue print of the place, showing the city and lagoon. There are various ways of doing the work. It will take 3,500,000 cu. yds. of sand to fill the lagoon. I am willing to give a 10% interest in the business to an energetic civil engineer or contractor who will come to the place (Tampico) and will study the project, make estimates of cost, etc., outside of what he can make if he takes the contract himself. According to my contract with the government, I will be entitled to the entire surface of this lagoon if I reclaim the land. The surface occupied by the lagoon is about 445 acres, adjoining the most important port of the republic. I will enter into correspondence and answer any questions from interested parties." Blue print of the lagoon is on file at office of Engineering News, New York.

FOREIGN CONTRACTS.

The names of parties awarded contracts are printed in capital letters.

PORT.—Uruguay.—The Minister of Fomento will receive bids until Sept. 20 for building a port at La Paloma, the cost being estimated at about $1,250,000.

RAILWAY.—South Africa.—The "Government Gazette" of the Orange River Colony publishes an announcement of an ordinance providing the sum of $2,000,000 to construct a railway from Bloemfontein to Kimberley.

GOVERNMENT BUILDINGS. — Servia.—Bids will shortly be invited by the Servian Government for the construction of a new royal palace at the cost of 4,500,000 fr. (about $900,000), and new parliamentary buildings at the cost of 1,500,000 fr. (about $300,000).

PORT WORKS, BRIDGES, ETC.—Sweden.—The Municipality of Gothenburg is about to contract a loan of 15,000,000 kroner (about $4,000,000) for carying out various public works, including port improvement works and the construction of bridges, an abattoir, a hospital, etc.

WATER-WORKS. — Roumania. — Bids are asked until Sept. 24 at the offices of the Municipality, Jassy, for carrying out canalization and water-supply works in that town at the estimated cost of 8,547,401 lei (about $1,700,000) and 1,887,607 lei (about $375,000), respectively.

DREDGER, BARGES.—Spain.—Bids will be received about Oct. 6 at the offices of the Port Works Board, Seville, for the supply of a rotary dredger and four barges. A deposit of 15,000 pesetas (about $3,000) is required to qualify any bid. Local representation is necessary.

RAILWAY.—Bulgaria.—Bids will be received at Sofia until 10 a. m., Sept. 17, by the Bulgarian Directorate of Railways and Ports, for the construction of a line of railway from Devna to Dobritch, a distance of 67½ kilometers (about 42 miles). A deposit of 275,000 francs, gold ($55,000), at the National Bank of Bulgaria is necessary to qualify any bids, which should be marked "Offre pour la construction de la ligne de Chemin de fer Devna-Dobritch."

TUNNEL.—New Zealand.—New alternative bids are asked until March 18, 1907, by the High Commissioner for New Zealand, 13 Victoria St., S. W., for construction of a tunnel about five miles 25 chains in length at Arthur's Pass, through the dividing range between Canterbury and Westland, on the route of the New Zealand Midland Ry. Plans and specifications may be seen at office of Virgil G. Bogue, Consult. Engr., 15 William St., New York, and at the offices of Engineering News, New York and Chicago. (Advertised, Engineering News.)

WATER-WORKS.—Ecuador.—A plan, involving an expenditure of possibly $500,000, has been proposed for providing water-works to supply the city of Quito. A German company had secured the contract for this from the Quito municipality, but before the arrangements were finally completed and signed the Garcia Government was overthrown; the project was thus not carried out, and it is probable now that an Ecuadorean will secure the contract, together with that for paving the city, etc., and will proceed to Europe to make arrangements for carrying out the project.

For other Proposal Advertisements see pages 51, 52, 53, 54, of Advertisements and Construction News page 96.

SCHERZER ROLLING LIFT BRIDGE.

Peoria, Ill.

Sealed proposals for the construction of a Scherzer Rolling Lift Bridge across the Illinois River at Peoria, Illinois, will be received until 12 o'clock M., Tuesday, Oct. 2d, 1906.

Plans can be examined and specifications and blank forms for proposals can be obtained at the office of E. A. Furry, Commissioner of Public Works, Peoria, Illinois, or at the office of the Scherzer Rolling Lift Bridge Company, Monadnock Block, Chicago, Illinois.

The right is reserved to accept or reject any or all proposals.

E. A. FURRY,
11-1t Commisioner of Public Works.

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., September 8, 1906.—Sealed proposals will be received at this office until 3 o'clock P. M. on the 2d day of October, 1906, and then opened for the construction (complete) of the temporary extension to the U. S. Post Office and Court House at Toledo, Ohio, in accordance with the drawings and specification, copies of which may be had at this office or at the office of the Postmaster at Toledo, Ohio, at the discretion of the Supervising Architect. JAMES KNOX TAYLOR, Supervising Architect. 11-2t

OFFICE OF THE COMMISSIONERS, D. C., Washington, Sept. 8, 1906.—Sealed proposals will be received at this office until 12 o'clock noon, September 22, 1906, for laying 5,600 square yards of asphalt binder and surface on Canal Street, S. W., between B and D Streets, and on Virginia Avenue, S. E., between 2d and 5th Streets. Blank forms of proposal, specifications, and all necessary information may be obtained at Room 43, District Building. H. B. F. MACFARLAND, JOHN BIDDLE, Commissioners, D. C. 11-1t

STEEL C[illegible]S.

May's Landing, Atla[illegible] County, N. J.

Proposals and sealed b[illegible] the construction and installation of s[illegible]ells in the addition to the County Jail [illegible]the County of Atlantic, now being erect[illegible] May's Landing, will be received by t[illegible]unty Building Commission for the County [illegible]lantic in session at No. 645 Bartlett [illegible]ding, Atlantic City, N. J., on the twenty [illegible] day of September, A. D. nineteen hu[illegible] and six, between the hours of 11.00 a[illegible]30 A. M., in accordance with the plans [illegible]specifications prepared by S. Hudson Van[illegible] Architect, in room No. 645, where said pl[illegible]d specifications can be seen or copies [illegible] be obtained on a deposit of fifteen dollar[illegible]5.00), which amount will be returned w[illegible] legitimate bid as above stated is presc[illegible] to the said Commission. All bids must s[illegible]y the character, style or make of the [illegible]ing device, which said bidder intends to [illegible] in the construction of said cells; and th[illegible]blic Building Commission hereby reserv[illegible]he right to award the contract for such c[illegible] to the bidder whose locking device a[illegible]s to said Commission to be the best an[illegible]d efficient.

All bids must be addressed [illegible] the Public Building Commission in care [illegible] F. Fraley Doughty, Chairman, Absecon, [illegible] N. J., and must be accompanied by a certified check of one thousand dollars drawn to the order of F. Fraley Doughty, Chairman, which check will be returned upon the rejection of said bid or if said bid is rejected upon signing of the contract and the bond accompanying the same in case said bid is accepted.

Contract must be executed within five days after the said contract is awarded and notice given to the contractors by mail.

Surety company bonds satisfactory to the Solicitor of said Commission must be given in the sum of eight thousand dollars ($8,000) for the faithful performance and completion of the work. The right is reserved to reject any or all bids.

By order of the Public Building Commission.

Signed,
F. FRALEY DOUGHTY,
Chairman.
LUCIAN B. CORSON,
11-2t F. W. WILLITS.

Situations Wanted

CIVIL ENGINEER (technical graduate), 12 years experience Pennsylvania Railroad. Would like position with some well known engineering, contracting or manufacturing concern where brains and ability will count. Can furnish best of references as to character and ability. Can make immediate change if proposition attractive. Address " S. A. 11," Engineering News, New York. 11-4t

SITUATIONS OPEN

WANTED.—Several competent draftsmen for bridge and structural work. State experience, salary required and earliest date you could report. TOLEDO-MASSILLON BRIDGE CO., Toledo, Ohio. 11-3t

WANTED.—By an established concrete construction company, a high grade and practical concrete construction man, engineer capable of estimating preferred, to take general charge of all outside work. In answering give age, experience and full particulars. All answers confidential. Address "Z. A. 11," Engineering News, New York. 11-1t

WANTED.—Rodman capable of taking charge of party. Must have experience in municipal work. State age, education, experience and salary expected. Address "X. A. 11," Engineering News, New York. 11-1t

WANTED.—One or two experienced checkers on structural steel work; state age, salary expected and when free to report for work. Address "W. A. 11," Engineering News, New York. 11-2t

FOR SALE

FOR SALE.

TWO BUFFALO CONCRETE MIXERS

with gasoline engine. Suitable for work on sidewalks and other light work.

ALSO No. 2 RANSOME MIXER

directly connected with engine and large boiler, complete with hoist, bolts, etc. Suitable for heavy concrete work.

FICKLEN & STOBAUGH,
215 Montague St., Brooklyn, N. Y.
11-1t

"WANT"

Advertisements in ENGINEERING NEWS cost 1½ cents a word an insertion for "Situations Wanted" and 2 cts. a word for "Situations Open" and "Miscellaneous Wants." Send them weekly as they will help you.